

**Pacific Northwest Tribal Climate Change Project
DRAFT Meeting Notes – Wednesday, May 21, 2014**

Call Participants

- Mary Basballe, Puyallup Tribe
- Arwen Bird, Northwest Climate Science Center
- Jana Gastellum, Oregon Environmental Council
- Eliza Ghitis, Northwest Indian Fisheries Commission
- George Hart, Navy Region 9
- Ida Hildebrand, Chugach Regional Resources Commission
- James Holt Nez Perce Tribe
- Rose High Bear, Wisdom of the Elders
- Lisa Hayward, Northwest Climate Science Center
- Carolyn Kelly, Quinault Indian Nation
- Linda Kruger, USDA FS PNW Research Station
- Kathy Lynn, University of Oregon
- John Mankowski, North Pacific LCC
- Paul McCollum, Port Gamble S’Klallam Tribe
- Gary Morishima, Quinault Management Center
- Don Motanic, Intertribal Timber Council
- Jeremy Phillips, Salt River Pima-Maricopa Indian Community
- Melissa Poe, Washington Sea Grant and NOAA
- David Redhorse, Bureau of Indian Affairs
- Jon Treasure, Confederated Tribes of Warm Springs
- Kirsten Vinyeta, University of Oregon
- Paul Williams, Suquamish Tribe
- Sue Wotkyns, Institute for Tribal Environmental Professionals

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Upcoming PNW Tribal Climate Change Network Conference Call Dates

- June 18, 2014
 - July 16, 2014
 - August 20, 2014
 - September 17, 2014
 - October 15, 2014
 - November 19, 2014
 - December 17, 2014
- Call-in Information:*
Call Time: 10:00 am - 11:30 Pacific
Call-in #: 1-888-858-2144
Pass code: 5064716

Third National Climate Assessment

The U.S. Global Change Research Program has released the Third National Climate Assessment, the authoritative and comprehensive report on climate change and its impacts in the United States. The National Climate Assessment summarizes the impacts of climate change on the United States, now and in the future. A team of more than 300 experts guided by a 60-member Federal Advisory Committee produced the report, which was extensively reviewed by the public and experts, including federal agencies and a panel of the National Academy of Sciences. The Third NCA documents climate change-related impacts and responses across key sectors and all regions of the U.S. with the goal of better informing public and private decision-making at all levels. An important feature of this interactivity is the traceability of the data and other information in the report, giving users the means to refer back to these data for their analyses and decision support. The site is mobile-compatible and every piece of the report—from highlights to chapters to key messages to graphics—has its own unique URL for social network sharing. The report findings include a section exploring the impacts of climate change on indigenous peoples, in particular by looking at climate implications for forests, fire and foods, water quality and quantity, sea ice, and permafrost, and indigenous communities that may be forced to relocate.

- Full Report: <http://nca2014.globalchange.gov/>
- Highlights: <http://nca2014.globalchange.gov/highlights>
- Chapter 12: "Indigenous Peoples, Lands and Resources": <http://nca2014.globalchange.gov/report/sectors/indigenous-peoples>

PNW and National Tribal Climate Change Webinar Series and Fall Training

The Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University is carrying out a series of upcoming webinars and trainings on both a national and regional scale.

Regional Tribal Climate Change Webinar Series: Climate Change Impacts in the Pacific Northwest

There are three upcoming webinars focused on the Pacific Northwest being offered by the Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University with support from the USDA Forest Service Pacific Northwest Research Station (RMRS), and in collaboration with the Pacific Northwest Tribal Climate Change Project at the University of Oregon, the North Pacific Landscape Conservation Cooperative, and PNWRS. The topic areas include marine issues, fisheries, forests, and invasive species and pests. All webinars will be recorded and archived at: http://www4.nau.edu/itep/climatechange/tcc_webinars.asp

Archived Webinar: Climate Change Impacts on Fisheries

This webinar provided highlights of current science about climate change impacts on fisheries in the Pacific Northwest, and a discussion of the implications of these impacts for tribes. Presenters:

- [Tim Beechie, Supervisory Research Fish Biologist, NOAA Fisheries](#)
- [Kyle Dittmer, Hydrologist-Meteorologist, Portland Main Office, Fisheries Management, Columbia River Inter-Tribal Fish Commission](#)
- [Video](#)

Archived Webinar: Climate Change and Marine Issues

This webinar provided highlights of current science about climate change and sea level rise, ocean acidification, and effects of rising water temperature on disease processes, and a discussion of the implications of these impacts for tribes. **Presentation will be posted soon!**

- Ian Miller, Coastal Hazards Specialist, Olympic Peninsula, Washington Sea Grant
- Jan Newton, Senior Principal Oceanographer and Affiliate Assistant Professor, Oceanography, Applied Physics Laboratory, University of Washington
- Paul Hershberger, Field Station Leader and Research Fisheries Biologist, Marrowstone Marine Field Station, U.S. Geological Survey
- Paul Williams, Fisheries Biologist, Suquamish Tribe

May 27, 2:00 - 3:15 p.m. PDT, Webinar: Climate Change and Invasive Species and Pests:

<https://attendee.gotowebinar.com/register/8612229747059724034>

This webinar will provide highlights of current science about climate change and invasive species and pests in forest ecosystems and in freshwater ecosystems in the Pacific. Presenters:

- Jeffrey Hicke, Associate Professor, Department of Geography, University of Idaho
- Julian Olden, Associate Professor, Department of Aquatic & Fishery Sciences, University of Washington

June 4, 2014, 10:30 - 11:45 a.m. PDT, Webinar: Climate Change Impacts on Forests:

<https://attendee.gotowebinar.com/register/4194950578144548353>

This webinar will provide highlights of current science about climate change impacts on forests in the Pacific Northwest, and a discussion of the implications of these impacts for tribes. Presenters include:

- David Peterson, Team Leader for the Fire and Environmental Research Applications Team, Pacific Wildland Fire Sciences Lab, USFS Pacific Northwest Research Station
- Frank Lake, Research Ecologist, USFS Pacific Southwest Research Station

Sep 2-3, 2014 PNW Tribal Climate Change Adaptation Training, Portland, OR

In addition to the webinar series, ITEP will also be carrying out a training in Portland, September 2-3, 2014, which will be hosted by the Columbia River Inter-Tribal Fish Commission (CRITFC) at their offices in Portland. This training will provide an introduction to the process of planning for climate change impacts, from getting started to impact and vulnerability assessment to developing adaptation strategies. It is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. Course materials and the Tribal Climate Change Adaptation Planning Toolkit will be available for download. For more information about this webinar, contact Sue Wotkyns at Susan.Wotkyns@nau.edu.

North Pacific Landscape Conservation Cooperative Tribal/First Nations Committee Meeting

John Mankowski shared that the North Pacific Landscape Conservation Cooperative (NPLCC) is planning a one-day workshop, tentatively scheduled for September 4, 2014, which is the day following ITEP's Tribal Climate Change Adaptation Workshop, also to be held at the Columbia River Inter-Tribal Fish Commission (CRITFC) offices in Portland. This workshop is intended to enhance provide opportunities for tribal engagement within the NPLCC and will involve tribal leaders involved in both policy and as technical staff. The workshop will have an educational component in which climate change efforts on an international, national, tribal, and local level are highlighted, as well as a component in which the NPLCC will inquire with tribes in regards to the ways they wish to get (or remain) involved in the NPLCC. Gary suggested to John that he contact Robin O'Malley and discuss how this event might related to national LCC and Climate Science Centers focused on similar issues. If you are interested in being on the planning committee for this event, please email John Mankowski at john_mankowski@fws.gov.

National ITEP Tribal Climate Change Webinar Series: Climate Change Impacts, Traditional Knowledge, and Communication

This series of four webinars will discuss impacts of climate change on tribal water resources and traditional foods, the role of traditional knowledge in climate change initiatives, and communicating about climate change. The webinars are being offered by the Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University with support from the U.S. Environmental Protection Agency. NOTE: The webinars will be limited to 100 participants. The webinars will be recorded and archived at: http://www4.nau.edu/itep/climatechange/tcc_webinars.asp.

Webinar: Climate Change Impacts on Traditional Foods June 5, 2014, 10:00-11:15 a.m. PDT

Climate change is impacting a whole host of tribal natural resources, including traditional foods. Learn about some of the strategies that tribes are utilizing to protect these precious resources. During this webinar, presenters will discuss climate impacts on traditional foods as well as adaptation techniques that have been adopted.

- Mike Montoya, Mescalero Tribal Fish Hatchery, Mescalero Apache Tribe
- Neil Patterson, Jr., Director, Tuscarora Environment Program, Tuscarora Nation
- Cheryl Shippentower, Plant Ecologist, Department of Natural Resources, Confederated Tribes of the Umatilla Indian Reservation.

Please register at: <https://attendee.gotowebinar.com/register/7537392258971392514>. After registering, you will receive a confirmation email containing information about joining the webinar.

Webinar: Climate Change Impacts on Tribal Water Resources June 9, 2014, 10:00-11:15 a.m. PDT

This talk will provide an overview of climate change impacts on tribal water resources and the subsequent cascading effects on the livelihoods and cultures of American Indians and Alaska Natives (AIAN). The presenters will first give a brief description of some climate, hydrologic, and ecosystem changes that are occurring or may occur. They will then describe some tribe-specific vulnerability and adaptive capacity factors that interact with climate changes to create or lessen impacts. These include socioeconomic, political, infrastructural, environmental, spiritual and cultural factors. Next we'll describe five broad impacts categories that are being experienced by many AIAN and provide examples of impacts. We'll finish off with examples of some solutions that tribes and tribal organizations around the country are implementing to increase climate change resilience.

- Karletta Chief, Assistant Professor & Extension Specialist, Department of Soil Water and Environmental Science, University of Arizona
- Karen Cozzetto, Interim Managing Director, Center for Water, Earth Science, and Technology (CWEST), University of Colorado Boulder

Please register at: <https://attendee.gotowebinar.com/register/4386613047629173505>. After registering, you will receive a confirmation email containing information about joining the webinar.

Webinar: The Role of Traditional Knowledges in Climate Change Initiatives June 16, 2014, 10:00-11:15 a.m. PDT

The significance and role of traditional knowledges is being explored among indigenous groups, and within many regional and national climate change initiatives. This webinar will explore the ways in which indigenous traditional knowledges may inform understanding how climate change is impacting indigenous cultural resources and life ways, and help lead to culturally-relevant adaptation strategies. The webinar will also examine the critical need for indigenous peoples and non-indigenous entities to understand what may be at risk when traditional knowledges are shared in non-indigenous forums, and

what is needed to ensure that traditional knowledges are only shared with the Free, Prior and Informed Consent of indigenous governments and knowledge holders. Recognizing and obtaining FPIC can help bolster successful collaboration between indigenous and non-indigenous partners through equitable relationships, reduce disputes through mutual understanding of roles and responsibilities and lead to culturally appropriate adaptation strategies. The webinar will also share the experiences of the Yurok Tribe in utilizing traditional ecological knowledge to inform climate change priorities.

- Preston Hardison, Treaty Rights Office, Natural Resource Department, Tulalip Tribes
- Joe Hostler, Environmental Protection Specialist, Environmental Program, Yurok Tribe
- Kathy Lynn, Pacific Northwest Tribal Climate Change Project, Environmental Studies Program, University of Oregon
- Kyle Powys Whyte, Assistant Professor, Department of Philosophy, Michigan State University
- Ann Marie Chischilly, Executive Director, Institute for Tribal Environmental Professionals, Northern Arizona University

Please register at: <https://attendee.gotowebinar.com/register/7336853432803840513>. After registering, you will receive a confirmation email containing information about joining the webinar.

Webinar: Communicating about Climate Change – From Impacts to Solutions June 23, 2014, 11:00 a.m.-12:15 p.m. PDT

Americans are waking up to the reality of extreme weather events and are beginning to connect the dots to climate disruption. Effectively engaging the public as partners in addressing the challenge requires emphasizing local, current and personally relevant impacts and bridging to solutions. Join environmental communications expert Cara Pike, Executive Director of Climate Access, for a discussion of the latest trends in public opinion polling, how to frame the climate conversation, and best practices in climate engagement.

- Cara Pike, Executive Director of Climate Access

Please register at: <https://attendee.gotowebinar.com/register/9080883384706262530>. After registering, you will receive a confirmation email containing information about joining the webinar.

For more information, please contact:

Sue Wotkyns Climate Change Program Manager Susan.Wotkyns@nau.edu 928-523-1488

Cristina González-Maddux Research Specialist Cristina.Gonzalez-Maddux@nau.edu 928-523-878

[Notification of Public Comment Period for EPA's Policy on Environmental Justice for Tribes and Indigenous Peoples](#)

In order to more effectively work with federally-recognized tribes and indigenous peoples to address their environmental justice concerns, EPA is developing a Policy to clarify and integrate environmental justice principles in a consistent manner in the Agency's work with federally recognized tribes and indigenous peoples. The Agency is making available the [Revised Draft – EPA Policy on Environmental Justice for Working with Federally Recognized Tribes and Indigenous Peoples](#) for public input, during the May 5 - June 5, 2014 public comment period. This Revised Draft of the Policy incorporates the input the Agency received on the Working Draft of the Policy from tribes and the public during the November 2012 – February 2013 tribal consultation period and the separate January - February 2013 public participation comment period.

The public comment period is from May 5 - June 5, 2014. For further information read the [Public Comment Notification Letter \(PDF\)](#). Please note that a separate tribal consultation and coordination process is occurring at the same time, May 5 - June 5, 2014. For further information please read the [Tribal Consultation Notification Letter \(PDF\)](#).

During the Network call, Paul Williams with the Suquamish Tribe asked whether other Network participants would be willing to share their comments with Paul so as to better inform his own comments. Network participants that have submitted, or plan to submit comments during this period and are willing to share these with Paul can contact him at pwilliams@suquamish.nsn.us.

For more information about the Policy on Environmental Justice for Tribes and Indigenous People's public comment period, please visit: <http://www.epa.gov/environmentaljustice/indigenous/index.html>

General Updates

Friday, May 23rd Webinar at 12 pm Pacific - National Climate Assessment Regional Findings Webinars

The Union of Concerned Scientists is hosting a series of webinars related to the regional findings of the National Climate Assessment (<http://nca2014.globalchange.gov/>).

The Northwest webinar will be on Friday, May 23 from 12:00 - 1:15 pm PDT. Featured speakers are:

- Phil Mote, Oregon State University;
- Steve Running, University of Montana; and
- Amy Snover, University of Washington.

Registration is required. To sign up for the webinar, go to:

http://www.ucsusa.org/global_warming/science_and_impacts/science/national-climate-assessment-webinar.html

First Stewards 2014 Symposium- July 21-23, 2014, Washington, D.C.

The First Stewards 2014 Symposium will take place in Washington, D.C., July 21-23. This year the Symposium's theme is United Indigenous Voices Address Sustainability: Climate Change & Traditional Places. The event will include five panels composed of representatives from each region, tribal leaders and tribal and Western scientists who will examine how native people and their cultures have adapted to climate change for hundreds to thousands of years, and what their future—and that of America—may hold as the impacts of climate change continue. Specifically, the panels will include:

- Cultural & Food Security
- Rights & Responsibilities
- Traditional Natural Resources Management Practices
- Cultural Resource Damage Assessments
- Moving Forward Panel

For more information on the 2014 Symposium, please visit: <http://www.firststewards.org/>

If you are interested in attending, please contact whitenergrouper@gmail.com.

BIA Climate Change Grants

Via an email from Sean Hart, the BIA hopes to announce those grants funded in the most recent call for proposals for the BIA Climate Change Grants in mid- to late-June. Sean noted that over 100 grant proposals were submitted and that there will be two rounds of review.

Northwest Climate Science Center- New Website

Northwest Climate Science Center Manager of Communications Lisa Hayward Watts joined the Network call and stated that the Northwest Climate Science Center has a new website. The website can be accessed at <https://www.nwclimatescience.org/home>. Lisa also mentioned that as Manager of Communications, she is tasked with improving communications between the Center and regional tribes. Anyone with feedback, questions or comments for Lisa can e-mail her at lhayward@usgs.gov.

December 2-3, 2014 Climate Change and Indigenous Peoples Conference - Save the Date!

The University of Oregon will host the 3rd Annual Climate Change and Indigenous Peoples Conference and Student Symposium on December 2-3, 2014. The University will welcome two distinguished keynote speakers to the conference: Dr. Myrna Cunningham Kain and Patricia Cochran. Dr. Cunningham Kain is an internationally renowned advocate for Indigenous peoples' rights and women's rights who has served Indigenous peoples in countless fashions, most recently as chair of the United Nations Permanent Forum on Indigenous Issues (2011-2013). Patricia Cochran is currently Executive Director of the Alaska Native Science Commission (ANSC), an organization that works to create links and collaborations among scientists, researchers and Alaska Native communities. For more information on the Conference, please visit: <http://ccip.uoregon.edu/>

Northwest Forest Plan - 20-Year Monitoring Report on the Effectiveness of Federal-Tribal Relations

Under the Northwest Forest Plan, there is a requirement to monitor the state of Federal-Tribal relationships as exercised during the implementation of Plan actions and initiatives. Monitoring takes place every five years and culminates in a report, the last of which took place at the 15-year mark (1994-2008) and was published in 2011. The 20-year monitoring effort is scheduled to occur in 2014, and is relevant to federally recognized tribes with lands, tribal headquarters, and/or treaty rights falling within Northwest Forest Plan boundaries in Washington, Oregon, and Northern California. Kathy Lynn and Kirsten Vinyeta are carrying out the 20-year monitoring effort, and Kathy will continue to provide regular updates on this effort during Network calls. If you have questions or comments regarding the upcoming monitoring, please contact Kathy (kathy@uoregon.edu). To find out more about the Northwest Forest Plan's tribal effectiveness monitoring, or to download the 15-year monitoring report, please visit the following link: <http://www.reo.gov/monitoring/reports/15yr-report/tribal/index.shtml>

Recorded Webinar -- EPA Carbon Rules: An Opportunity for Tribes to Influence Federal Policy to Confront Climate Change

The webinar focused on the proposed EPA rules for carbon emissions from new and existing power plants and how tribes can be a part of this process. It highlighted how the proposed rules would protect public health, communities, and critical lands and habitat across the United States. The carbon rules are critical to protecting wildlife species and habitat from the effects of climate change. Climate change is fundamentally changing our native lands and historic wildlife species and these carbon rules are a key step towards better mitigating the effects of climate change. To view the recording of the webinar, please visit: <https://web.telspan.com/play/ITsupport/680-tribes-and-carbon-rule>

USDA Forest Service's Office of Tribal Relations Spring 2014 newsletter

The USDA Forest Service's Office of Tribal Relations produces a quarterly Tribal Relations Newsletter that highlights activities and insights from partnerships and coordination with tribes at a national and regional level. The Spring 2014 newsletter highlights some of the research, projects, and opportunities that we have been highlighting on our Network calls, including the upcoming PNW and National Tribal Climate Change Webinar Series and Fall Training. The newsletter also included an article by Rae Benson

describing the project carried out by The Klamath Basin Tribal Youth Program in which Native youth integrated traditional ecological knowledge with western science. To access the quarterly newsletters, please visit: <http://www.fs.fed.us/spf/tribalrelations/news/index.shtml>

USDA Announces New Landmark Conservation Initiatives

ORRTANNA, Pa., May 1, 2014—Agriculture Secretary Tom Vilsack announced today that applications are now being accepted for new, landmark conservation initiatives created by the 2014 Farm Bill. The programs will provide up to \$386 million to help farmers restore wetlands, protect working agriculture lands, support outdoor recreation activities and boost the economy. Vilsack made the announcement at Kuhn Orchards in Orrtanna, Pennsylvania. The farm's owners participate in the USDA Conservation Stewardship Program, have worked to encourage pollinator health through planting practices, and used USDA program support to construct a high tunnel. "By protecting working lands and wetlands, we're able to strengthen agricultural operations, sustain the nation's food supply and protect habitat for a variety of wildlife," Vilsack said. "In addition, we're providing states and Tribal governments a tool to expand access to private lands for hunting, fishing, hiking and other recreational activities, which helps boost wildlife-related businesses and grow the economy." USDA's conservation efforts have helped mitigate the negative impacts of drought and are helping producers to manage the effects of climate change. USDA has enrolled a record number of acres in conservation programs that have saved millions of tons of soil and improved water quality and have contributed to the national effort to preserve habitat for wildlife and protect the most sensitive ecological areas. USDA has partnered with more than 500,000 farmers, ranchers and landowners on these conservation projects since 2009—a record number. Applications for ACEP funding consideration in fiscal year 2014 must be submitted by the individual state deadline or June 6, 2014, whichever is earlier. Applications and state deadline information can be obtained at your local USDA Service Center or at www.nrcs.usda.gov/GetStarted. Applications for VPA-HIP are due by June 16 and should be completed at Grants.gov. For more information, view the notice on Grants.gov or the program's website.

Through the 2014 Farm Bill's new conservation programs, USDA is making available up to \$366 million for conservation easements under ACEP to state and local governments, Indian tribes, non-governmental organizations and private landowners. ACEP consolidates three former easement programs—the Farm and Ranch Land Protection Program, the Grassland Reserve Program and the Wetlands Reserve Program—into one to make conservation efforts more efficient while strengthening tools to protect land and water. VPA-HIP is a competitive grant program that enables state and Tribal governments to increase opportunities for owners and managers of private lands who want to make their land available for public recreation. Up to \$20 million is available this year for VPA-HIP. Both programs have application deadlines later this spring. Funding for the ACEP and VPA-HIP programs is provided through the 2014 Farm Bill, which authorizes services and programs that impact every American and millions of people around the world. The new Farm Bill builds on historic economic gains in rural America over the past five years, while achieving meaningful reform and billions of dollars in savings for taxpayers. Vilsack said that quickly and effectively implementing new programs and reforms to existing ones called for by the 2014 Farm Bill is a top priority for USDA. Learn more about the Farm Bill at www.nrcs.usda.gov/FarmBill.