Pacific Northwest Tribal Climate Change Project
DRAFT Meeting Notes – Wednesday, May 20, 2015

Call Participants:
- Eliza Ghitis, NW Indians Fisheries Commission
- Larry Gilbertson, Quinault Indian Nation
- Preston Hardison, Tulalip Tribes
- George Hart, Navy Region NW
- Samantha Chisolm Hatfield, Oregon State Univ.
- Jennie Hoffman, Adaptation Insight
- Kathy Lynn, University of Oregon
- John Mankowski, North Pacific Landscape Conservation Cooperative
- Guillaume Mauger, UW Climate Impacts Group
- Andrew Miller, Organized Village of Kasaan
- Don Motanic, Intertribal Timber Council
- Kathryn Norton-Smith, University of Oregon
- David Redhorse, Bureau of Indian Affairs
- Bob Rose, Yakama Indian Nation
- Cynthia Rossi, Point-no-Point Treaty Council
- Steven Spencer, Shoalwater Bay Tribe
- Carrie Sykes, Organized Village of Kasaan
- Stan Van De Wetering, Confederated Tribes of Siletz
- Bea Van Horne, USDA Climate Hub
- Carson Viles, University of Oregon
- Garrit Voggesser, National Wildlife Federation

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Upcoming PNW Tribal Climate Change Network Conference Call Dates

- June 17, 2015
- July 15, 2015
- August 19, 2015
- September 16, 2015
- October 21, 2015
- November 18, 2015
- December 16, 2015

Call-in Information:
- Call Time: 10:00 am Pacific
- Call-in #: 1-888-858-2144
- Pass code: 5064716
Discussion Topics

2nd National Adaptation Forum - Tribal Climate Change Track
Garrit provided a summary of the National Adaptation Forum’s tribal track. The NAF featured several panels dedicated to tribal issues with a diverse range of issues (e.g. sea level rise, traditional knowledges, tribal college actions). Garrit noted that tribal participation increased significantly since the first NAF held in 2013—this year’s forum included over 60 participants representing tribes and/or tribal organizations.

One highlight of the Forum was the Tribal Workgroup Session. In this session, participants used a World Café format to discuss themes related to tribes and climate change. Examples of issues discussed during the session include collaboration between tribes and US agencies, economic impacts of climate change, traditional knowledges and a focus on adaptation and implementation. More than 50 people attended, and the feedback from the session was very strong. There was a lot of agreement amongst participants for priorities. In previous years, this session has been used as a springboard to identify priority issues and bring together like-minded tribal professionals and others to work on these issues. Notes from the world café session are being compiled and will be made available to anyone interested in reviewing or commenting on priorities. Please contact Kathy (kathy@uoregon.edu) or Garrit (voggesser@nwf.org) for more information.

Statement Resulting from Tribal Track of NAF
Preston Hardison drafted a statement to reflect the issues, concerns and priorities of tribes attending the NAF. Statements like this one can be useful because they serve as a media notice, and can also be used in later negotiations and discussions as something to point at. Preston related that in his experience, they become a way for the public to get a sense for visions of working groups, and can be a useful tool internationally to help move issues. They’re also short, which makes them accessible. The Statement is intended to give a sense of what ideas were key at the meeting, and what ideas/priorities came out of the meeting. Preston envisions a sign-on process that includes sign-on opportunities for individuals, affiliated individuals (with recognition that their organization isn’t necessarily endorsing the statement), and formal endorsement by organizations.

Garrit suggested pitching a story to Indian Country Today, and other media outlets. He suggested setting up interviews with Preston and others to publicize the efforts. Preston agreed, and noted that this is on a tight timeframe because of short media attention span. He hopes to see media coverage materials in the next week. Jennie Hoffman offered to include a summary on CAKE’s online newsletter/blog column, if something can be pulled together and sent to her by next week (week of May 25). The statement is attached to the email with these notes. If you have comments or would like to sign on to it, please email Preston at: prestonh@comcast.net.

6th Annual Pacific Northwest Climate Science Conference
The 6th Annual Pacific Northwest Climate Science Conference will be held Nov 4-5th in Coeur D’Alene Idaho. The theme is water year 2015 as a prototype for adaptation. They are currently looking to increase tribal representation among speakers and participants. There’s also a potential name change in the works—might now be called the Northwest Climate Conference to indicate adaptation priorities, although this is still under discussion. Please feel free to contact Eliza Ghitis, Northwest Indian Fisheries Commission at eghitis@nwifc.org. Kathy will forward the call for abstracts as soon as it is release.
**Tribal Climate Science Connections**

Kathy discussed strategies for expansion of the Tribal Climate Change Guide to Funding, Programs and Adaptation Plans. She requested input from participants about how to expand the Funding Guide to include scientific resources. The North Pacific Landscape Conservation Cooperative will support the Tribal Climate Change Project to add information about climate scientists in the region. The existing website will include tabs on the webpage to make navigating between different categories easier. The format was met with support. Preston noted that in developing any sort of database, it would be useful to consider how the data can be translated to other platforms, and made accessible to others. He also advocated for a format that would allow crowd-sourcing, to lessen the labor requirements for upkeep. Eliza noted that the NW CSC is currently creating a scientific-resource database, and suggested contacting the NW CSC for more information.

**General Updates**

**Recently Released Report: Climate Change Adaptation in United States Federal Natural Resource Science and Management Agencies: A Synthesis**

USGCRP’s Adaptation Science Interagency Working Group, funded by the FS Climate Change Advisor's Office, has recently released a report on current adaptation efforts in federal agencies. The report details the status of climate change adaptation in Federal agencies that study and manage land and water resources. The report can be found here: http://www.globalchange.gov/sites/globalchange/files/ASIWG_Synthesis_4.28.15_final.pdf

**NPLCC Tribal and First Nations Committee Recommendations and Notes**

John Mankowski shared that the NPLCC Tribal/First Nations Committee agreed to share meeting notes from their fall meeting. Included in these notes are 10 recommendations for the NPLCC which will guide future NPLCC actions. The notes and recommendations can be found here: https://nplcc.blob.core.windows.net/media/Default/Meeting_Documents/Tribes-9-04-14/2014_0904_TR-FNCommitteeMtg_NPLCC_Summary_Final.pdf

**First Annual Northwest Climate Magazine Released**

John Mankowski announced that the inaugural issue of the Northwest Climate Magazine was released this week. The issue features a write-up on the climate adaptation work of the Swinomish Tribe and Tsleil Waututh First Nation, which was supported by the NPLCC. A press released about the magazine, and link to the magazine, can be found here: http://www.northpacificlcc.org/News/05-18-2015/first-annual-northwest-climate-magazine

**NOAA Coastal Ecosystem Resiliency Grants**

NOAA has developed the Coastal Ecosystem Resiliency Grants Program to build resiliency of coastal ecosystems and communities in the U.S. The Coastal Ecosystem Resiliency awards will fund projects that develop healthy and sustainable coastal ecosystems through habitat restoration and conservation. More information here: http://www.habitat.noaa.gov/funding/coastalresiliency.html. Grants are due July 2nd, 2015. NOAA’s Regional Coastal Resilience Grant Program will support regional approaches to undertake activities that build resiliency of coastal regions, communities, and economic sectors to the negative impacts from extreme weather events, climate hazards, and changing ocean conditions. More information is available here: http://coast.noaa.gov/resilience-grant/. Proposals for the regional coastal resilience program are due by July 24, 2015.
US Climate Resilience Toolkit—Tribal Profiles
Margaret Herzog with the BIA has been working to develop a tribal focus for the US Climate Resilience Toolkit. The case studies of tribal adaptation efforts and tools for tribes should soon be online. https://toolkit.climate.gov/

Nominations for ACCCNRS Membership
Nominations are being accepted for membership on the federal Advisory Committee on Climate Change and Natural Resource Science (ACCCNRS). Written nominations must be received by June 1, 2015. ACCCNRS advises the Secretary of the Interior on the operations of NCCWSC and the Climate Science Centers. Click here for more information: https://nccwsc.usgs.gov/acccnrs.

Draft USGCRP Climate and Health Assessment - Request for Comments.
The U.S. Global Change Research Program has announced the 60-day public comment period for the draft report: The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment. The draft report assesses the observed and projected impacts of climate change on human health in the United States, with a particular focus on where impacts can be quantified. This draft assessment was developed by the Interagency Group on Climate Change and Human Health, a USGCRP working group, as part of the sustained National Climate Assessment and as called for under the President’s Climate Action Plan. Each chapter of the draft assessment summarizes the scientific literature on specific climate change-related health outcomes or exposures important to health. The draft assessment and information on submitting comments are available at: http://www.globalchange.gov/health-assessment. All comments must be submitted to the website by 12:00pm EDT on June 8, 2015.

National Park Service Proposes Regulation for Gathering Plants: Gathering of Certain Plants or Plant Parts by Federally Recognized Indian Tribes for Traditional Purposes
The National Park Service has proposed to modify the regulation governing the gathering of plants in national parks. The rule would allow members of federally recognized Indian tribes with traditional associations to areas within specific units of the National Park System to gather and remove plants or plant parts for traditional purposes. The gathering and removal allowed by the rule would be governed by agreements that may be entered into between the National Park Service and the tribes, and would also be subject to permits that identify the tribal members who may conduct these activities. The rule would prohibit commercial uses of gathered materials. This Rule was published Monday April 20 in the Federal Register, 36 CFR Part 2, Gathering of Certain Plants or Plant Parts by Federally Recognized Indian Tribes for Traditional Purposes, and is open for public comment for 90 days through Monday, July 20, 2015. Comments on the proposed rule should reference the National Park Service and Regulation Identifier Number (RIN) 1024-AD84, and can be submitted online through the Federal Rulemaking Portal: http://www.regulations.gov, which provides instructions for submitting comments; or by mail to: National Park Service, Joe Watkins, Office of Tribal Relations and American Cultures, 1201 Eye Street NW, Washington, DC 20005. The National Park Service will accept public comments on the proposed rule through Monday, July 20, 2015. http://www.regulations.gov/#!documentDetail;D=NPS-2015-0002-0001. Colby Duren, Staff Attorney, National Congress of American Indians shared the information about this rule and suggested that he is interested in any information on the development and consultation process of this Proposed Rule as well as general thoughts on it. Colby can be contacted at (202) 466-7767 Ext. 237 or at cduren@ncai.org.
Tribal Climate Change Funding Guide

We frequently update the tribal funding guide. The Funding Guide is intended to provide up-to-date information on grants and programs that may assist tribes in addressing climate change through a broad range of sectors. Recently, the guide has been expanded to include existing tribal climate change adaptation plans in the US. Email kathy@uoregon.edu if you have any information to add to the guide. To access the funding guide, please visit http://envs.uoregon.edu/tribal-climate/

Participant Updates

Samantha Chisholm-Hatfield: Samantha relayed that she is going to the next meeting of the National Congress of American Indians. She asked that anyone else who is going and would like to meet can contact Samantha at: shatfiel@coas.oregonstate.edu.

Carrie Sykes, Organized Village of Kasaan. Carrie mentioned that she and a group of students are attending the White House Tribal Youth Gathering that will bring together Alaska Native, Native Hawaiian and Native American youth to address climate change. She will provide a summary of the conference during July’s call.

Jennie Hoffman, Adaptation Insight. Jennie shared announcements by the National Conservation Training Center about upcoming climate change vulnerability assessment trainings and a climate-smart conservation course taking place later this year. Information about these events is included in the list of events below.

Upcoming Events

May 29, 2015, 10:00-11:30 a.m. Pacific. Webinar: About the Local Environmental Observer (LEO) Network. Presenter: Mike Brubaker, Alaska Native Tribal Health Consortium (ANTHC). With the growing importance of climate change, it is important that communities have the capacity to monitor, respond, and adapt to new impacts. Developing effective systems for accessing locally relevant information is part of the challenge. The Local Environmental Observer (LEO) Network provides a model for engaging communities and connecting with technical experts and resources. It also informs about specific events and the impacts, needs, and responses. LEO is comprised of local experts who collect observations about unusual environmental events. The LEOs are the eyes, ears and voice of environmental change in their communities. Please register at: https://attendee.gotowebinar.com/register/8971650210984506625


June 4, 2015. 10 am Pacific. Webinar: Water Hazards and Community Resilience. This webinar is one of a series co-sponsored by the NOAA Sectoral Applications Research Program (SARP), US National Integrated Drought Information System (NIDIS), Water Research Foundation, Water Environment Federation (WEF), Water Environment Research Foundation (WERF), American Water Works Association (AWWA), the Association of Metropolitan Water Agencies (AMWA) and EPA’s Climate Ready Water Utility Initiative.

June 8-9, 2015. Conference: U.S. Department of Health and Human Services (HHS) Climate Justice Conference. The 1 1/2 day conference will focus on public health issues and solutions related to climate change for disadvantaged populations. The Conference seeks to bring together stakeholders from communities, public health organizations; labor organizations; Federal, state, and local government; academia; and others to explore public health issues and strategies related to climate change of concern to disadvantaged populations. We will discuss current climate change challenges to communities and other stakeholders, current HHS climate change related activities, and possible resources and tools. For more information or to register for this FREE meeting, please visit the HHS Climate Justice Conference website at: http://tools.niehs.nih.gov/conference/hhs_climate_justice/. Registration will close on May 29th.


June 10, 2015. 12:00 pm Pacific. Webinar: Building Climate Resilience in Urban Vulnerable Populations: Indicators for Urban and Regional Social Vulnerability - How NAACP's Indicators were Developed, and How to Use Them.

June 16-18, 2015. ITEP Climate Change Adaptation Planning. Bishop, CA. For more information, please see: http://www4.nau.edu/itep/climatechange/tcc_trainings.asp

June 17, 2015. 12:00 pm Pacific. Webinar: Building Climate Resilience in Urban Vulnerable Populations: Conducting Social Vulnerability and Resiliency Assessments for Climate Adaptation

June 23, 2015, 11:00 am - 12:30 p.m. Pacific. Webinar: Extreme Weather Events and Climate Change. Presenter: Bob Rabin, National Oceanic and Atmospheric Administration (NOAA). The presentation will review known variability in extreme weather such as excessive heat, cold waves, floods, droughts, hurricanes, severe thunderstorms and tornadoes. Projections and uncertainties of how these hazards might change due to global warming will be reviewed. Please register at: https://attendee.gotowebinar.com/register/7695983626299314177

June 24, 2015. 12:00 pm Pacific. Webinar: Building Climate Resilience in Urban Vulnerable Populations: Effective Marketing and Communications Strategies for Social Resiliency in Climate Adaptation

June 24, 2015, 11:00 a.m. - 12:30 pm Pacific. Webinar: Impacts of Climate Change on Tribal Health, Presenters are Lesley Jantarasami, U.S. EPA, Office of Atmospheric Programs, Climate Change Division and Mike Kolian, U.S. EPA, Office of Atmospheric Programs, Climate Change Division. Climate change, together with other natural and human-made health stressors, threatens our health and well-being in many ways. This webinar will provide an overview of climate-related health impacts facing tribes and indigenous peoples in the United States, drawing mainly from the results of the Third National Climate Assessment. This webinar will also present work by EPA to compile a set of key indicators related to the causes and effects of climate change into a report entitled: Climate Change Indicators in the United States. The presentation will focus on climate-related health indicators and how the report highlights the far-reaching significance of these changes and their possible consequences for people, the environment, and society. Please register at: https://attendee.gotowebinar.com/register/4202798900971276545. After registering, you will
receive a confirmation email containing information about joining the webinar.

This training is sponsored in collaboration with the Bureau of Indian Affairs and the Choctaw Nation of Oklahoma through the Tribal Climate Change Adaptation Grant Program. The traditional course is based on the January 2011 publication "Scanning the Conservation Horizon - A Guide to Climate Change Vulnerability Assessment" (www.nwf.org/vulnerabilityguide). The guidance document is a product of an expert workgroup on climate change vulnerability assessment convened by the National Wildlife Federation in collaboration with the U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service Rocky Mountain Research Station, National Park Service, National Oceanic and Atmospheric Administration, Doris Duke Charitable Foundation, and the Department of Defense Legacy Resource Management Program. This course is designed to guide conservation and resource management practitioners in two essential elements in the design of climate adaptation plans: (1) identifying which species or habitats are likely to be most strongly affected by projected changes; and (2) understanding why these resources are likely to be vulnerable. Vulnerability Assessments are a critical tool in undertaking any climate change planning or implementation. We will use regionally specific examples tailored to participants. For more information, contact April Taylor at: April.Taylor@chickasaw.net.

June 30, 2015, 11:00 a.m. - 12:30 pm Pacific. Webinar: Climate Change Impacts on Fish and Wildlife. Presenter: Kurt Johnson, National Climate Change Scientist, US Fish and Wildlife Service. The Earth’s climate is changing. In some places such as the Arctic, the change is rapid and profound, while in other areas change has been less dramatic and more gradual. But virtually everywhere, climate change has – and will continue to – impact fish, wildlife, and plants and the habitats upon which they depend through effects on species’ distribution and abundance, community composition, productivity, timing of life history events, and other biological and ecological characteristics. Some species are even threatened with extinction. Not only are fish, wildlife, and plants inherently worthy of conservation, they provide valuable ecosystem services – including jobs, food, clean water, storm protection, carbon sequestration, health benefits and many others – that support people, communities and economies across the nation every day. Climate change impacts are expected to increase with continued changes in the planet’s climate system. Action is needed now to help safeguard fish, wildlife, and plants and the communities and economies that depend on them. Please register at: https://attendee.gotowebinar.com/register/5056697223288190977. After registering, you will receive a confirmation email containing information about joining the webinar.

June 29-July 1, 2015. Rising Voices 3 Workshop. Boulder, CO. Rising Voices 3 workshop will have the theme of Learning and Doing: Education and Adaptation through Diverse Ways of Knowing and be held at the National Center for Atmospheric Research (NCAR). The workshop will occur in collaboration with the Engineering for Climate Extremes Partnership, which aims to improve methods of incorporating resilience and cultural values explicitly in future planning programs. http://www2.mmm.ucar.edu/projects/RisingVoices/

July 28-30, 2015. Climate-Smart Conservation, Rapid City, SD
This class is being hosted by the North Central Climate Science Center and Bureau of Indian Affairs. The class is based on the guide Climate-Smart Conservation: Putting Adaptation Principles into Practice. This publication is the product of an expert workgroup on climate change adaptation convened by the National Wildlife Federation in collaboration with the FWS’s National Conservation Training Center and other partners (see sidebar). The course is designed to demystify climate adaptation for application to
on-the-ground conservation. It will provide guidance in how to carry out adaptation with intentionality, how to manage for change and not just persistence, how to craft climate-informed conservation goals, and how to integrate adaptation into on-going work. Conservation practitioners and natural resource managers will learn to become savvy consumers of climate information, tools, and models.

Aug 16-21, 2015 – Eatonville, WA. Northwest Climate Science Center Climate Boot Camp 2015

October 26 - 29, 2015. Climate Change Vulnerability Assessment Training. Durant, OK
This training is sponsored in collaboration with the Bureau of Indian Affairs and the Choctaw Nation of Oklahoma through the Tribal Climate Change Adaptation Grant Program. The traditional course is based on the January 2011 publication "Scanning the Conservation Horizon - A Guide to Climate Change Vulnerability Assessment" (www.nwf.org/vulnerabilityguide). The guidance document is a product of an expert workgroup on climate change vulnerability assessment convened by the National Wildlife Federation in collaboration with the U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service Rocky Mountain Research Station, National Park Service, National Oceanic and Atmospheric Administration, Doris Duke Charitable Foundation, and the Department of Defense Legacy Resource Management Program. This course is designed to guide conservation and resource management practitioners in two essential elements in the design of climate adaptation plans: (1) identifying which species or habitats are likely to be most strongly affected by projected changes; and (2) understanding why these resources are likely to be vulnerable. Vulnerability Assessments are a critical tool in undertaking any climate change planning or implementation. We will use regionally specific examples tailored to participants. For more information, contact April Taylor at: April.Taylor@chickasaw.net.

November 4-5, 2015. Sixth Annual Pacific Northwest Climate Science Conference, Coeur d’Alene, ID. The PNW Climate Science Conference annually brings together more than 250 researchers and practitioners from around the region to discuss scientific results, challenges, and solutions related to the impacts of climate on people, natural resources, and infrastructure in the Pacific Northwest. It is the region's premier opportunity for a cross-disciplinary exchange of knowledge and ideas about regional climate, climate impacts, and climate adaptation science and practice.

NEWS, PUBLICATIONS AND RESOURCES

New Publication: Climate Change Adaptation in Indian Country: Tribal Regulation of Reservation Lands and Natural Resources.


ITEP video Adapting to Change: The Institute for Tribal Environmental Professionals (ITEP) produced the video Adapting to Change with assistance from Jeremy Scott, a graduate student in Northern Arizona University’s School of Communication. The filming occurred at ITEP’s Climate Change Adaptation training in September 2014 in Portland, OR. The film highlights climate change impacts on tribes and their resources in the Pacific Northwest and Alaska, adaptation, and the training. The video and the training were made possible with funding support from the USDA Forest Service PNW Research
ITEP Tribal Climate Change Fact Sheets: The Institute for Tribal Environmental produces 2-page fact sheets that focus on climate change impacts, adaptation strategies, and other relevant topics. They may be used in outreach with tribal government staff, leadership and communities. Two recent fact sheets focus on climate change mitigation and solid waste and climate change and human health and are attached below. Fact sheets are available at: http://www4.nau.edu/tribalclimatechange/resources/res_factsheets.asp

Recorded Webinar: Chugachmiut, on berry risk mapping and modeling in Southcentral Alaska. The North Pacific Landscape Conservation Cooperative Science-Management Webinar with Nathan Lojewski, Forestry Manager of the Chugachmiut, on berry risk mapping and modeling in Southcentral Alaska took place on April 8, 2015. The webinar is now available for viewing on YouTube here. You can learn more about the project on the NPLCC website.

REGIONAL AND NATIONAL CLIMATE CHANGE RESOURCES, NEWSLETTERS AND CALENDARS

- ITEP Tribes and Climate Change Newsletter
- PNW Tribal Climate Change Project and Funding Guide
- Climate Adaptation Knowledge Exchange (CAKE): events: http://cakex.org/community/events.
- Northwest Climate Science Center and NPLCC Northwest Climate Digest; NW CSC Calendar
- Northwest Climate and Related Data Resources: https://www.nwclimatescience.org/nw_data_resources
- USDA Climate Hubs
- EPA’s Stormwater Calculator
- EPA’s Climate Resilience Evaluation and Awareness Tool
- Climate Resilience Toolkit: http://toolkit.climate.gov/tools
- Columbia River Intertribal Fish Commission Climate Change Resources