

Western Governors' Wildlife Council Meeting

November 3-4, 2011

Seattle, Washington

Meeting Summary

Next Steps

CHAT Implementation & Outreach

- The WGWC agreed to focus more actively on implementation of the CHAT, parallel to its technical development. To begin, WGA Staff and representatives from Oregon, Nevada and Wyoming will review recommendations from the 2008 Wildlife Corridors Report and suggest relevant implementation ideas to the full WGWC. The Stakeholder Advisory Group will be heavily utilized to identify and help pursue implementation opportunities.
- The WGWC asked that their communications plan (approved in Spring 2011) be revised to include implementation activities and outreach. Additionally, the WGWC discussed increasing the social media aspects of the communications plan to assist with outreach on implementation activities.
- The WGWC will continue to work closely with the State-Federal Implementation Group to identify opportunities for coordination and support per the June 2011 MOU addendum.

CHAT Technical Development

- The WGWC approved a collaborative plan for developing a west-wide CHAT. This includes the creation of five workgroups that will address some of the key issues of CHAT development consistently across the region. The workgroups include:
 - Developing regional data sets for species and habitats of concern;
 - Developing a regional data layer displaying landscape integrity/coarse connectivity;
 - Developing regional data sets for terrestrial game and sportfish;
 - Developing a process by which crucial habitat definitions can be applied to the data by each state;
 - Developing options for the display of crucial habitat data layers in a west-wide regional viewer.

WGWC Business Items

- WGA staff will update the current WGWC workplan, for WGWC approval, to reflect discussions and outcomes from this meeting.
- The WGWC will need to select a new Vice-Chair due to John Mankowski's departure.

Materials

Meeting Agenda

Demonstration of Washington's Priority Habitat System & Current Successes to Integrate Into Decision-Making

Washington's Priority Habitat System - Lisa Veneroso and Katie Knight, Washington DFW

WGWC Vision: Western Wildlife Crucial Habitat Assessment Tool & State Progress to Date

WGWC Accomplishments to Date - John Harja, WGWC Chair

Southern Great Plains CHAT – Bob McCready, Playa Lakes Joint Venture

WISDOM - John Emmerich, Wyoming Game and Fish Department

ACE - Kevin Hunting, California Dept. of Fish and Game

HabiMap - Josh Avey, Arizona Game and Fish Department

Industry Panel: Utilization of Crucial Habitat and Corridor Information

Brad Loveless, Director, Biology and Conservation Programs, Westar Energy

Federal Panel: Implementation of Agreement Under the 2009 MOU

Doug Austen, National Coordinator, Landscape Conservation Cooperatives, US FWS

Update: Regional Transmission Expansion Planning Project

Update - Regional Transmission Expansion Planning Project - John Harja, WGWC Chair

State & Local Land Use Panel: Utilization of Crucial Habitat and Corridor Information

Wade Crowfoot, Deputy Director, CA Gov's Office of Planning and Research

Karen Anderson, State Director, The Nature Conservancy Washington Chapter

Carmen Bailey, Impact Analysis Coordinator, Utah DWR

Bob Budd, Executive Director, Wyoming Wildlife and Natural Resources Trust

Charity Fechter, Planning Director, Madison County, Montana

Looking Ahead: Plans for Progress 2011-2013 CHAT Technical Plan - Phase 2 - Carmen Bailey, Utah DWR & John Pierce, Washington DFW

Meeting Summary

Day 1: Welcome and Introduction

The purpose of this Wildlife Council meeting was to highlight current accomplishments to develop a west-wide Crucial Habitat Assessment Tool (CHAT), as well as individual state progress to provide crucial wildlife information to the public in easily accessible GIS formats. The meeting also gave WGWC members and interested parties a chance to discuss opportunities for utilizing CHAT information to inform land planning decisions. A diverse group of potential CHAT users offered their insights on this matter in a series of panels.

The meeting began with a welcome from Marty Loesch, Chief of Staff for Washington Governor Christine Gregoire. Mr. Loesch stressed the importance of the regional cooperation that the Western Governors Wildlife Council is employing to create a west-wide CHAT. Mr. Loesch also discussed how the CHATs might be used in Governor Gregoire's "Get Out West!" initiative. He indicated his confidence in the use of the maps as a way to identify areas important for outdoor recreation and tourism.

Demonstration of Washington's Priority Habitat and Species System

Lisa Veneroso and Katie Knight from Washington's Department of Fish and Wildlife presented on their recently released Priority Habitat and Species On-line System (PHS). The PHS is a mapping application available online that identifies important information about wildlife and their habitat. The PHS is used as a conservation planning tool – landowners, local governments, non-profits, and other groups use the data to identify where to site development and where to avoid adding a human presence. This Washington-specific tool currently houses information that will be used to identify crucial wildlife habitat, and which will ultimately populate a portion of the west-wide CHAT.

Additional panelists provided examples of how Washington's PHS supports smarter planning on the ground. Josh Greenberg from Skagit County, Washington said that the county had used maps from the PHS to aid in residential density planning. Kelly McAllister from Washington's Department of Transportation and Christopher Walter from the land conservation organization Frontera also discussed the ways the PHS is used to identify planning priorities. While the PHS provides more fine-scale wildlife and habitat information than the west-wide CHAT ultimately will, it was beneficial to the Wildlife Council to hear how wildlife information can be used to inform planning for county growth, conservation and transportation projects.

WGWC Accomplishments to Date

WGWC Chairman John Harja (Utah) presented on the Council's recent steps to fulfill their mission to identify key wildlife corridors and crucial wildlife habitats in the West, as well as to develop and coordinate policy options and tools for conserving those landscapes. With this aim, the Council has made significant progress over the last year to develop a user-friendly online tool for the public. This tool – the west-wide CHAT – will offer consistent, region-wide information on crucial habitats for fish and wildlife. All interested parties can use the CHAT to use to assess landscapes and connectivity in

order to better inform land use decisions. Mr. Harja also outlined the Council's goal to encourage widespread use of the CHAT so that decision makers at all levels can inform their planning while conserving healthy landscapes. The most significant progress to date in ensuring use of the CHAT is a June 2011 agreement between the WGWC, the U.S. Department of the Interior, and U.S. Forest Service stating that these federal agencies will use state crucial habitat and corridor information to inform their relevant land management decisions.

Mr. Harja also reminded attendees of the aggressive timeline set for the CHAT's development – that crucial habitat data layers will be developed in the western states in October 2012, and the west-wide CHAT will publicly debut in December 2013. Simultaneously, individual states continue to make progress in publicly displaying important wildlife information through online GIS mapping systems.

Mr. Harja then introduced a series of presentations on the progress of state-specific CHAT tool development in the Western states.

- Bob McCready, Playa Lakes Joint Venture, described the recently-released Southern Great Plains CHAT that displays crucial habitat and corridor information for Lesser Prairie Chicken consistently across its five-state range.

John Emmerich, Wyoming Game and Fish Department, presented a beta version of their new wildlife planning tool called the Wyoming Interagency Spatial Data and Online Management System (WISDOM) - Environmental Assessment and Support Tool, planned for public release in 2012.

- Kevin Hunting, California Department of Fish and Game, presented their Areas of Conservation Emphasis (ACE) which will display areas of conservation importance to the agency. The tool will debut around the end of 2011.
- Josh Avey, Arizona, Game and Fish Department, presented Arizona's HabiMap which will display crucial habitat across the state. HabiMap will publicly launch on November 30.

Industry Panel: Utilization of Crucial Habitat and Corridor Information

A panel of speakers from the private sector provided insight on how industry can utilize the west-wide CHAT. The discussion focused on the measures these industry groups had taken in the past to minimize impacts to wildlife, and the ways they envision the CHAT tool being useful for their companies. Keith Sexson, Kansas Parks, Wildlife and Tourism, moderated the session.

- Trish Horn, Vice President for Environment, Health and Safety, from Oklahoma Gas and Electric (OGE) presented what she sees as an intersection of energy development and wildlife concerns. She stressed the need for good data and active stakeholder engagement in addressing this conundrum, highlighting the work OGE is doing with Oklahoma Department of Wildlife Conservation to reduce impacts to the Lesser Prairie Chicken. The regional CHAT tools, she said, could help satisfy these needs by providing reliable information that would help support wind

development while minimizing impacts to important wildlife and their habitat.

- Brad Loveless, Director of Biology and Conservation Programs at Westar Energy, spoke on his company's strategy to address similar difficulties supporting both wildlife and wind development. Westar has made efforts to conduct their business and protect wildlife by using Kansas Park and Wildlife species maps to identify key habitat for Lesser Prairie Chicken and other important species in Kansas. Mr. Loveless gave a specific example in which Westar used state wildlife maps to advocate for transmission line siting that would carry necessary power through Kansas and into Oklahoma along a path that avoided important habitat for a number of sensitive species. This type of coordination has already been enhanced with the development of the Southern Great Plains CHAT, which will be expanded to include other species in a west-wide CHAT. Westar also helped establish a training session for staff of their regional transmission organization to help them learn more about how to mitigate environmental impacts from transmission lines.
- Spencer Kimball, Government Affairs Manager for the Western Energy Alliance, and Dave Brown, Contract Regulatory Lead from BP America, jointly presented an oil and gas perspective on CHAT. Mr. Kimball talked about the efforts that oil and gas companies in Colorado already undertake to support habitat conservation and mitigation. Mr. Brown highlighted the potential uses of the CHAT tools, suggesting that the CHAT could provide early screening-level information about potential leasing areas, as well as areas for mitigation. However, said Mr. Brown, the CHATs do not seem intended to replace species and habitat information that currently exists at a finer scale.

In the discussion that followed the panel, panelists stressed the importance of good data, stating that industry looks for certainty when trying to make decisions, and data that supports coordination for interstate projects.

Invited Speaker: Mike Mottice, Associate State Director for the Bureau of Land Management's Washington and Oregon Office

Mike Mottice, Associate State Director for the Bureau of Land Management's (BLM) Washington and Oregon office, offered broad remarks in support of the CHATs. He praised the WGWC's development of regional CHATs and noted that BLM was preparing a memo to remind its western offices of their "obligation to use decision support systems out in the west" under the June 2011 addendum to a 2009 Memorandum of Understanding (MOU) signed by Western Governors and Secretaries Salazar, Chu and Vilsack.

Mr. Mottice also provided some insight on the status of BLM's sage-grouse strategy, of which an official announcement is currently pending. BLM manages more sage-grouse habitat than any other entity – more than half of the total available habitat – so Mr. Mottice stressed that the agency's interests are in line with the Western Governors' in avoiding a listing of the species under the Endangered Species Act.

Mr. Mottice called WGA's resolution on sage-grouse and sage-grouse habitat "on-target" and he thanked the council for their participation in – and leadership on – sage-grouse protection.

Federal Panel: Implementation of 2011 Agreement

A group of federal representatives from the BLM, the U.S. Fish and Wildlife Service (FWS), and the U.S. Forest Service (USFS) spoke next about the progress their agencies have made to implement the June 2011 addendum to the 2009 MOU. The addendum highlights the importance of coordinating similar federal initiatives in support of the Western states' CHAT development, and offers that federal agencies will utilize state crucial habitat and corridor information in relevant situations. Michael Bean, Counsel to the Assistant Secretary for Fish, Wildlife and Parks at DOI, began the panel reminding the audience of the state-federal progress of the 2009 agreement and DOI's priority for developing renewable energy with limited environmental impact. Mr. Bean then introduced the panel:

- Karen Prentice, National Healthy Landscapes Coordinator for BLM: Ms. Prentice discussed the Rapid Ecoregional Assessments (REAs) that the BLM initiated last year. REAs synthesize and assess information about resource conditions and trends within an ecoregion. They will be updated periodically rather than receiving regular data updates like the CHAT. Ms. Prentice noted that the REAs depend on habitat layers and other data provided by the states. She continued to state that the CHAT will give BLM access to a greater amount of state-developed information than it had before and she expressed interest in finding new opportunities for collaboration. She discussed the June 2009, Memorandum of Understanding and June 2011 Addendum to the MOU, that were signed by the Departments of Interior, Agriculture, and Energy, and the Western Governors' Association. She described several steps that the BLM has taken to institutionalize these documents, to work in coordination with the states to create state-based decision support systems and to endeavor to use these systems to inform land use decisions. An addendum to this MOU was signed in June 2011.
- Doug Austen, National Coordinator, Landscape Conservation Cooperatives, FWS: Mr. Austen discussed the inter-agency Landscape Conservation Cooperatives, part of a program to work across the bureaus and agencies in DOI in order to coordinate climate and science information. Mr. Austen said that some LCCs have directly supported the development of the CHAT in specific states, and that work could be expanded. A primary benefit to CHAT development could be the LCCs help in identify and filling research needs and information gaps.
- Anne Zimmermann, Director, Watershed, Fish, Wildlife, Air and Rare Plants, USFS: Ms. Zimmermann acknowledged that the Forest Service is not as big of a player in wildlife issues as other federal agencies, but she said that could and should change. With almost 200 million acres of forest and grasslands, the CHAT could help provide priority wildlife and habitat information to inform USFS land management decisions.

After the presentations, the Council asked questions primarily to clarify the role of BLM's REAs. One member said they had not thought the REAs would be updated regularly and wondered if more long

term REA products wouldn't conflict with information displayed in the CHAT which will consistently evolve and improve over time. Ms. Prentice said that though the REAs would be updated, they would be maintained as a snapshot of a point in time and again encouraged collaboration on CHATs and REAs.

Update: Regional Transmission Expansion Planning Project

The Council briefly discussed their effort to inform DOE's Western Regional Transmission Expansion Planning efforts with CHAT information. The members discussed the difficulty of integrating wildlife data into a planning process that hasn't traditionally utilized GIS-mapped information.

Day 1 Wrap Up

Reflecting on comments and questions about the utility of CHAT, Council representatives from both Colorado and Arizona acknowledged that CHAT development might identify state-protected lands that are considered crucial habitat which the state could release from their management.

Day 2

State and Local Land Use Panel: Utilization of Crucial Habitat and Corridor Information

Representatives from state and local government and conservation organizations across the West came together for a panel on the use of crucial habitat and corridor information. These speakers provided insights on how the CHAT can be used by government, NGOs, and developers alike. A major theme from this panel was the benefit that easily accessible wildlife information has in building important partnerships. Kevin Hunting, California Department of Fish and Game, moderated the session.

- Wade Crowfoot, Deputy Director for the California Governor's Office of Planning and Research: Mr. Crowfoot spoke on the state's work to simultaneously protect habitat and promote large-scale energy development. California is focused on balancing solar energy development and wildlife habitat conservation, and their efforts are aided by accessible wildlife data and GIS maps – along with close consultation – from California's Department of Fish and Game.
- Carmen Bailey, Impact Analysis Coordinator, Utah Division of Wildlife Resources (DWR): Ms. Bailey presented on the successful wildlife highway crossings developed by the Utah Department of Transportation in partnership with DWR. DWR expects that crucial habitat and corridor information developed through the CHAT process will allow the partnership with DOT to grow rapidly.
- Karen Anderson, State Director, the Nature Conservancy Washington Chapter: Ms. Anderson discussed TNC's efforts to spearhead collaborative land conservation in Eastern Washington. With stakeholder support and the use of biodiversity information from Washington State, TNC was able to successfully conserve lands in the Moses Coulee preserve. Ms. Anderson noted that the CHAT could help conservation groups prioritize their work on the ground because it provides

a prioritization of important habitat areas for wildlife. She also applauded the Council for its efforts as a “cajoling body” to maintain momentum for the CHAT development.

- Bob Budd, Executive Director, Wyoming Wildlife and Natural Resources Trust: Mr. Budd discussed his agency’s strategy to conserve sage-grouse habitat in response to a critical situation for the species in Wyoming. Again, Mr. Budd highlighted the collaborative conservation effort made possible by accessible wildlife information (albeit hardcopy maps).
- Charity Fechter, Planning Director, Madison County, Montana: Ms. Fechter discussed the “hunger” for information that developers have when they come to her office. She specifically highlighted how the county uses Montana’s Crucial Areas Planning System to inform development in the county, and how they were attempting to incorporate it into their growth plan. She stated that the CHAT would be useful to her county – and other counties in the West – by helping developers become aware of wildlife considerations in advance of working with her office to have their project permitted.

Looking Ahead: Plans for Progress 2011-2013

CHAT Implementation

Guided by comments from presenters during the meeting, the Council recognized that if they don’t move forward on implementation efforts at the same time as progressing on the technical CHAT development, the tool would not be as valuable. The Council agreed to focus their efforts on further refining appropriate uses for the CHAT and developing policy recommendations to ensure crucial habitat and corridor information informs relevant planning processes. The Council will begin their work by revisiting recommendations from the 2008 Wildlife Corridors report. Working with Council members from Oregon, Wyoming, and Nevada, WGA staff will make a first cut of recommendations from the 2008 report that remain relevant and timely. That assessment will be brought to the full Council, and ultimately the Stakeholder Advisory Group (SAG), for their advice in further developing a CHAT implementation strategy. The Council also discussed making changes to their communications plan to include efforts focused on implementation, and to enhance their outreach strategies with social media.

Western States’ Technical Plan to Identify Crucial Habitat

Carmen Bailey, Utah Department of Wildlife Resources, and John Pierce, Washington Department of Fish and Wildlife, presented a plan to develop the initial crucial habitat layers in every state by fall 2012 through the work of five work groups, in addition to individual state efforts. The Council approved the proposed plan, which is a coordinated west-wide approach for meeting the Governors’ deadline for publicly available crucial habitat information in 2013.

While individual states continue to develop their data and define crucial habitat, their efforts will be enhanced and coordinated through five groups which will:

1. Evaluate products or processes that may assist in determining crucial habitat for species and habitats of concern.
2. Evaluate products or processes that may assist in determining crucial habitat for remaining large intact landscapes of natural and unfragmented habitats and associated connectivity areas. This coarse-filter goal includes identifying riparian and wetland habitats.
3. Evaluate products or processes that may assist in determining crucial habitat for terrestrial game and sportfish.
4. Prototype the application of the 'crucial habitat' definitions, including the development of specific rule sets: this goal will be taken on by 'data rich' states that are ready for this step.
5. Scope design specifications for regional viewer application, including state and stakeholder needs, functionality, design and stewardship; provide the cWGWC with alternative development strategies and costs.

The technical work will follow the timeline below, as stated in the Council's CHAT White Paper.

Fall 2011:

- Plan and scope workgroup objectives and membership
- Provide written progress update by mid-November
- Provide significant progress update and discussion in December
- Utilize monthly project lead conference calls to provide sub-group updates

March 2012: In-person meeting to report on results and accomplishments, solicit input from all states.

October 2012: Regional products due & crucial habitat layers in each state due

2013:

- Develop west-wide CHAT as determined by Wildlife Council through work of the regional viewer work group
- Stitch together state crucial habitat layer, edge matching where appropriate.
- Publicly display west-wide layers of crucial habitat

Ongoing: Maintenance and enhancement of crucial habitat data and the GIS viewer system is expected to ensure the long-term usefulness of the CHAT.

Wrap-Up

The Council concluded the meeting by thanking attendees for their continued support. They also asked WGA staff to update the current WGWC workplan based on the outcomes of the meeting.

Appendix A: Agenda

MEETING AGENDA

WESTERN GOVERNORS' WILDLIFE COUNCIL MEETING

November 3 – 4, 2011

The Edgewater Hotel

2411 Alaskan Way, Pier 67

Seattle, Washington 98121

Meeting Objectives:

- 1) Highlight WGWC accomplishments to develop state-based wildlife Crucial Habitat Assessment Tools (CHATs) and a regional CHAT in 2013;
- 2) Ensure the use of information in the CHATs to better inform land use and conservation planning in Western states;
- 3) Continue engaging federal officials to increase the integration of federal initiatives with Wildlife Council efforts;
- 4) Expand Council integration and relations with Stakeholder Advisory Group and the public.

Thursday, November 3- Olympic Ballroom

8:30 a.m.	Welcome Remarks - Marty Loesch, Chief of Staff for Governor Gregoire
9:00 – 9:30	Introductions & Agenda Review <i>John Harja, WGWC Chair & John Mankowski, WGWC Vice-Chair</i>
9:30 – 10:30	Demonstration of Washington's Priority Habitat System & Current Successes to Integrate Into Decision-Making Lisa Veneroso and Katie Knight, Washington Dept. of Fish and Wildlife; Kelly McAllister, Washington Dept. of Transportation; Josh Greenberg, Skagit County, Washington & Christopher Walter, Cascade Land Conservancy
10:30 – 11:15	WGWC Vision - Western Wildlife Crucial Habitat Assessment Tool & State Progress to Date Including presentations of new state CHATS: <ul style="list-style-type: none">• Southern Great Plains CHAT – Bob McCready, Playa Lakes Joint Venture• Wyoming Interagency Spatial Database & Online Management System – John Emmerich, Wyoming Dept. of Game and Fish• California's Areas of Critical Conservation Emphasis – Kevin Hunting, California Dept. of Fish and Game

11:15 – 12:15	<p>Industry Panel: Utilization of Crucial Habitat and Corridor Information</p> <p><i>Purpose: Highlight where industry is working with states to successfully improve planning decisions. Specifically, speakers will consider what mechanisms have been utilized to support this work, and how success can be enhanced with a regional CHAT.</i></p> <ul style="list-style-type: none"> • Patricia Horn, Vice President for Environment, Health and Safety, Oklahoma Gas & Electric • Brad Loveless, Director, Biology and Conservation Programs, Westar Energy • David Brown, Contract Regulatory Lead, BP America & Spencer Kimball, Government Affairs Manager, Western Energy Alliance
12:15 – 2:00	<p>Lunch Provided – Olympic Ballroom</p>
2:00 – 2:30	<p>Remarks by Ed Roberson, Assistant Director for Renewable Resources and Planning, Bureau of Land Management (tentative)</p> <p><i>BLM Assistant Director Roberson will discuss BLM's land management priorities and highlight the utility of the CHATs to better inform BLM's land management decisions.</i></p>
2:30 – 3:30	<p>Federal Panel: Implementation of Agreement Under the 2009 MOU</p> <p><i>Purpose: Highlight where WGA, DOI agencies and USFS are successfully implementing the 2011 MOU addendum, and highlight federal agency use of regional information through CHAT.</i></p> <ul style="list-style-type: none"> • Michael Bean, Counsel to Assistant Secretary for Fish, Wildlife and Parks, U.S. Department of the Interior • Karen Prentice, National Healthy Landscapes Coordinator, Bureau of Land Management • Doug Austen, National Coordinator, Landscape Conservation Cooperatives, U.S. Fish and Wildlife Service • Anne Zimmermann, Director, Watershed, Fish, Wildlife, Air and Rare Plants, U.S. Forest Service
3:30 – 4:00	<p>Update: Regional Transmission Expansion Planning Project</p> <p><i>Status of Council's effort to inform DOE's Western regional transmission planning with CHAT information.</i></p>
5:00 – 7:00	<p>Reception hosted by the Washington Wildlife Habitat Connectivity Working Group – Alki/Winslow Room</p>

Friday, November 4

7:30	Breakfast Provided – Olympic Ballroom
8:30 – 10:00	State & Local Land Use Panel: Utilization of Crucial Habitat and Corridor Information <i>Purpose: Highlight where state and local government and conservation organizations are successfully working to improve planning decisions. Specifically, speakers will consider what mechanisms have been utilized to support this work, and how success can be enhanced with a regional CHAT.</i> <ul style="list-style-type: none">• Wade Crowfoot, Deputy Director, California Governor's Office of Planning and Research• Carmen Bailey, Impact Analysis Coordinator, Utah Division of Wildlife Resources• Karen Anderson, State Director, The Nature Conservancy Washington Chapter• Bob Budd, Executive Director, Wyoming Wildlife and Natural Resources Trust• Charity Fechter, Planning Director, Madison County, Montana
10:00 – 11:00	Looking Ahead: Plans for Progress from 2011 - 2013 <i>WGWC presentation/discussion of expected outcomes and accomplishments in the next year, building towards Governors' goal of public information in 2013.</i> Technical Elements in 2011 - 2012 - Carmen Bailey, Utah Department of Wildlife Resources & John Pierce, Washington Department of Fish and Wildlife
11:00 – 11:30	Public Comment
12:00	Wrap Up and Adjourn

Appendix B: Participant List

First Name	Last Name	Title	Organization	Email
Robert	Ament	Senior Conservationist	Center for Large Landscape Conservation	rament@climateconservation.org
Karen	Anderson	State Director	The Nature Conservancy	<u>Assistant: Shauna Starkebaum</u> <ssstarkebaum@TNC.ORG>
Gina	Auriemma		EnviroIssues	-
Douglas	Austen	National LCC Coordinator	U.S. Fish and Wildlife Service	doug_austen@fws.gov
Josh	Avey	Habitat Branch Chief	AZ Game and Fish	javey@azgfd.gov
Carmen	Bailey	Impact Analysis Coordinator	Utah Division of Wildlife Resources	Carmenbailey@utah.gov
Greg	Balogh	Arctic LCC Coordinator	U.S. Fish and Wildlife Service	greg_balogh@fws.gov
Bill	Bartush	LCC Coordinator	U.S. Fish & Wildlife	bill_bartush@fws.gov
Michael	Bean	Counselor to the Asst Secy - Fish & Wildlife & Parks	U.S. Department of the Interior	michael_bean@ios.doi.gov
Jon	Beckmann	Wildlife Ecologist	Wildlife Conservation Society	jbeckmann@wcs.org
Jon	Belak	Wildlife Biologist	The Wilderness Society	jbelak@twc.org
Liz	Bell		Wilburforce Foundation	-
Sara	Breslow	George S. Mickelson Fellow	Washington Governor's Office	Sara.Breslow@OFM.WA.GOV
Carlee	Brown	Program Assistant	Western Governors' Association	cbrown@westgov.org
David	Brown	Contract Regulatory Lead	BP America	browndr1@bp.com
Bob	Budd	Executive Director	Wyoming Wildlife and Natural Resources Trust	bob.budd@wyo.gov

Lew	Carpenter	Regional Representative	National Wildlife Federation	carpenterl@nwf.org
Fred	Caslick		U.S. Fish & Wildlife Service	fred_caslick@fws.gov
Dave	Chadwick	Conservation Initiatives Coordinator	Colorado Parks and Wildlife	Dave.Chadwick@state.co.us
Wade	Crowfoot	Deputy Director	Governor's Office of Planning & Research	wade.crowfoot@opr.ca.gov
Kim	Crumbo	Director of Conservation	Grand Canyon Wildlands Council	kim@grandcanyonwildlands.org
Karen	Deike	Communications Director	Western Governors' Association	kdeike@westgov.org
John	Emmerich	Deputy Director	Wyoming Game and Fish Dept.	john.emmerich@wyo.gov
Charity	Fechter	Planning Director	Madison County Planning Board	cfechter@madison.mt.gov
Steve	Ferrell	Policy Advisor	Wyoming Governor's Office	steven.ferrell@wyo.gov
Kenyon	Fields	Strategy Director	Wildlands Network	kenyon@wildlandsnetwork.org
Bill	Fowler	Director - Regulatory Affairs	Chesapeake Energy Corporation	bill.fowler@chk.com
Wade	Free	Assistant Director of Operations	Oklahoma Department of Wildlife Conservation	wfree@odwc.state.ok.us
Chris	Friel	Natural Resource Lead	ESRI	cfriel@esri.com
Rollie	Geppert			-
Gary	Graham	Transmission Project Director	Western Resource Advocates	ggraham@westernresources.org
David	Graves	NW Program Manager	National Parks Conservation Association	dgraves@npca.org
Josh	Greenberg		Skagit County	joshg@co.skagit.wa.us
John	Haber		U.S. Forest Service	clockridge@fs.fed.us

Joshua	Halofsky	Landscape Ecologist	Institute for Natural Resources	joshua.halofsky@dnr.wa.gov
Betsy	Hands	Energy and Conservation Associate	WELC	hands@westernlaw.org
John	Harja	Director	Utah Office of Public Lands	jharja@utah.gov
Audrey	Hatch	Environmental Planner	WDFW	audrey.hatch@dfw.wa.gov
Marc	Heilesen	Senior Field Organizing Manager - NW Region	Sierra Club	marc.heilesen@sierraclub.org
Mark	Henjum	Forest Wildlife Biologist	Umatilla National Forest	mhenjum@fs.fed.us
Ryan	Henning		RES Americas	ryan.henning@res-americas.com
Patricia	Horn	Vice President Governance, EH&S	OGE Energy Corp.	hornpd@oge.com
Bud	Hover	Okanogan County Commissioner	Okanogan County	bhover@co.okanogan.wa.us
Kevin	Hunting	Chief Deputy Director	California Dept. of Fish and Game	khunting@dfg.ca.gov
Denise	Joines		Wilburforce Foundation	-
Linda	Kelly	Great Basin LCC Coord.	Bureau of Land Management	Linda_J_Kelly@blm.gov
Sharon	Kiefer	Deputy Director	Idaho Department of Fish and Game	sharon.kiefer@idfg.idaho.gov
Spencer	Kimball	Manager of Government Affairs	Western Energy Alliance	skimball@westernenergyalliance.org
Katie	Knight	Land Use Policy Lead	WA Dept. of Fish and Wildlife	Katie.Knight@dfw.wa.gov
Brad	Loveless	Director, Biology & Conservation	Westar Energy	brad.loveless@westarenergy.com

		Programs		
John	Mankowski	Coordinator, North Pacific Landscape Conservation Cooperative	U.S. Fish and Wildlife Service	John_Mankowski@fws.gov
Kelly	McAllister		Washington Department of Transportation	mcallke@wsdot.wa.gov
Bob	McCready		Playa Lakes Joint Venture	bob.mccready@plji.org
Holly	Michael	Conservation Policy Coordinator	Oregon Dept. of Fish and Wildlife	Holly.B.Michael@state.or.us
Dewayne	Miller	Corporate Environmental Affairs Specialist (wildlife and waters of the US)	Chesapeake Energy	dewayne.miller@chk.com
Yolanda	Morris	Program Associate	Wilburforce Foundation	yolanda@wilburforce.org
Michael	Mottice	Associate State Director	BLM in Oregon & Washington	mmottice@blm.gov
Richard	Nelson	LCC Coordinator	U.S. Fish & Wildlife Service	richard_d_nelson@fws.gov
Grant	Novak		ICFI	gnovak@icfi.com
James	Odenkirk	Assistant Attorney General	AZ Game and Fish Department	james.odenkirk@azag.gov
Tom	Olliff	Co-Coordinator GNLC	National Park Service	tom_olliff@nps.gov
Paul	Orbuch	WGA Consultant	Orbuch Consulting LLC	porbuch@westgov.org
Jim	Owens	Program Officer	Brainerd Foundation	jimo@brainerd.org
John	Pierce		Washington Dept. of Fish and Wildlife	john.pierce@dfw.wa.gov
Brad	Powell		Trout Unlimited	bpowell@tu.org
Karen	Prentice		Bureau of Land Management	-
Lauren	Prince	Policy Associate	Renewable Northwest	lauren@rnp.org

			Project	
Laura	Richards	Chief, Wildlife Diversity Division	Nevada Department of Wildlife	lrichard@ndow.org
Dave	Risley	Administrator	Montana Fish, Wildlife and Parks	drisley@mt.gov
Michael	Rivera	CO/NM Ranch Manager	ABV Ranch	miker87571@gmail.com
Kirk	Robinson	Executive Director	Western Wildlife Conservancy	lynx@xmission.com
Glen	Salmon	LCC Coordinator	U.S. Fish and Wildlife Service	glen_salmon@fws.gov
Debra	Schlafmann	CA LCC Coordinator	U.S. Fish and Wildlife Service	debra_schlafmann@fws.gov
Julie	Schneider	Habitat Connectivity Biologist	Oregon Dept. of Fish and Wildlife	julie.a.schneider@state.or.us
Keith	Sexson	Assistant Secretary of Operations	Kansas Wildlife and Parks	keith.sexson@ksoutdoors.com
Melissa	Simpson	Director of Government Affairs & Science Based Conservation	Safari Club International	msimpson@safariclub.org
Chris	Smith	Western Field Representative	Wildlife Management Institute	csmithwmi@msn.com
T.O.	Smith		Montana Fish, Wildlife and Parks	tosmith@mt.gov
Ben	Thatcher	Assistant National Coordinator, LCC	U.S. Fish and Wildlife Service	ben_thatcher@fws.gov
David	Theobald	Research Scientist	Colorado State University	dtheo@mail.colostate.edu
Kim	Titus	Chief Wildlife Scientist	Alaska Dept. of Fish and Game	kim.titus@alaska.gov
Andy	Treharne	Western States Manager	Congressional Sportsmen's Foundation	andy@sportsmenslink.org

Mark	Truax	Government Affairs Associate	Pac/West	truax@pacwestcom.com
Jon	VanDerZee		EDP Renewables	jon.vanderzee@edpr.com
Gary	Vecellio	Staff Biologist	Idaho Fish & Game	gary.vecellio@idfg.idaho.gov
Lisa	Veneroso	Assistant Director	WA Dept. of Fish and Wildlife	lisa.veneroso@dfw.wa.gov
Matt	Wagner		World Wildlife Fund/Freedom to Roam	matt.wagner@wwfus.org
Tim	Wagner	Staff - Resilients Habitats	Sierra Club	tim.wagner@sierraclub.org
Christopher	Walter	Geospatial Director	Cascade Land Conservancy	-
Jennifer	Watkins	Conservation Associate	Conservation Northwest	jwatkins@conservationnw.org
Madeleine	West	Program Director	Western Governors' Association	mwest@westgov.org
Heather	Whitlaw	GPLCC Coordinator	USFWS	heather whitlaw@fws.gov
Neil	Wise	Senior Counsel	WA Fish, Wildlife & Parks Division	-
Byron	Woertz	Senior Project Manager	WECC	bwoertz@wecc.biz
Anne	Zimmermann	Director	U.S. Forest Service-WFWARP Staff	azimmermann@fs.fed.us