

# Cooperative Ventures

An update of activities from the Pacific Northwest  
Cooperative Ecosystem Studies Unit

Fall 2003

## Co -Leader's Corner

After a break in the publication of our PNW CESU Newsletter, we are pleased to return to full production with the able leadership of Tracy Woodman, our new PNW CESU executive program assistant.

The PNW CESU continues to expand to meet the pressing ecosystem research and training needs of the Pacific Northwest. Southern Oregon University and the Alaska Native Science Commission recently joined the PNW CESU bringing our total participants to seven federal agencies and 14 partner universities and organizations. We have also seen an increase in project activity that has been well distributed among our participating universities. While the National Park Service continues to be the primary federal agency utilizing the CESU, other agencies are increasingly making inquiries to take advantage of the CESU and its broad offerings. Among those offerings are the international opportunities

available through the CESU. The PNW CESU remains the only unit in the country with an international partner, which is the University of British Columbia. We are currently in the process of developing an ecosystem based project with UBC, North Cascades National Park and the University of Washington—clearly an example of the kind of project and cooperation envisioned when the CESUs were established. This international effort is being led by John McLean (UBC), Regina Rochefort and Darryll Johnson (NPS), and Robert Gara (UW).

Darryll Johnson and I plan to continue individual meetings with some of our less active partners to answer questions and enhance understanding about the PNW CESU process. If you would like to schedule a PNW CESU informational meeting with interested members from your institution or agency please don't hesitate to contact us directly.

Gordon Bradley, Darryll Johnson  
PNW CESU Co-leaders

### Inside this issue

Co-Leader's Corner  
New PNW CESU Brochure  
Annual Meeting Re-cap  
New Web Site Features  
Summary of Projects  
Partner Bulletin Board

## PNW CESU Program Brochure Now Available

The new PNW CESU brochure has been produced and is ready for distribution. The brochure serves to introduce the goals and workings of the PNW CESU and is a useful tool to introduce the program. Please contact Tracy Woodman at [woodmant@u.washington.edu](mailto:woodmant@u.washington.edu) to request copies of the informational brochure for your institution or agency.

Cooperative  
Ecosystem  
Studies Units



### Mission Statement

*The Pacific Northwest Cooperative Ecosystem Studies Unit (PNW CESU) is a partnership for research, technical assistance and education to enhance understanding and management of natural and cultural resources.*

# PNW CESU First Joint Annual Meeting with RM CESU a Success

This year for the first time, The PNW CESU and the Rocky Mountain CESU joined together for their annual meetings to share lessons learned and exchange ideas across organizations. Washington State University, a member of both the RM and PNW CESU, hosted the two-day event at their main campus in Pullman, Washington. While visiting Washington State University, participants had the opportunity to tour the WSU Grizzly Bear Research Facility and Wild Ungulate/Small Mammal Research Facility.

Benefits of the joint meeting were especially clear during the two working sessions *How to get our partners more involved* and *Up and coming manager's issues*, when participants generated extensive lists of ideas, needs and solutions to some of the challenges faced by CESUs. The first session focused on identifying impediments to partner participation, identifying solutions to those impediments and increasing the involvement of partner minority institutions in CESU projects and activities. A sampling of ideas is given below:

## Identifying Impediments to Participation

- Shrinking budgets and staff has reduced capacity and traditional relationships win-out. The CESUs are a new way of doing business
- Contracting staff misunderstanding/unfamiliarity with the system - not a grant or a contract, but a cooperative agreement
- Unlike the NPS, other agency partners have not benefited from appropriated CESU start-up funds or host university posted CESU Research Coordinators

## Solutions to Impediments

- Hold workshops/courses for contracting personnel on how the CESU agreement works
- Could use a "research catalog" from each agency that would inform campuses not just about the research needs of the federal agencies, but also let them know what "resources" the agencies have (e.g. housing, collections of natural specimens of benefit to researchers)
- Make multiple one-on-one visits to agency and university partner offices to present info and answer questions about the CESU

The second working session generated a list of research, technical assistance and education project ideas well suited to the CESUs. A popular suggestion concerned the expanded role university partners could play assisting federal agencies in packaging and communicating scientific research findings both to the public and to managers within agencies. Given the sheer volume of scientific information that managers are expected to digest on a regular basis, participants agreed that university partners could facilitate this ongoing process by designing multiple information management tools tailored to different audiences (web-based, newsletters, annotated bibliographies, research summaries, workshops, etc). Other ideas generated include those given below:

## Research Ideas

- Understanding the context of change in parks – incorporating the scientific and historical perspectives to help shape future ecosystem change projections.
- Recreational impacts on resource elements – soil, invertebrates, water, etc.
- Species viability characterized by ecotypes
- Develop and disseminate methodology for determining equivalent clear-cut acres, what thresholds affect animal species, what are the triggers?

## Tech Transfer/Education ideas

- Engineering issues related to maintenance problems faced by agencies (e.g. living snow fence construction)
- Training on statistical and economic analysis for things other than timber sales

## General Management issues: How can CESU help?

- Making scientific information available and accessible to managers in an understandable way. Can University partners assist with information packaging for managers? Integration of disciplines...making use of university resources for business and marketing techniques.
- Looking across agencies at differing mandates and management practices and how they affect one another.

An informative project symposium was another highlight of the two day event. Projects presented ranged from big-ticket technology aided research to small but highly effective technical assistance projects, which the CESU network is uniquely capable of supporting.

## Projects Presented

Delphi Surveys for Inventory and Monitoring the Greater Yellowstone and the Northern Colorado Plateau-- Edwin Krumpe, University of Idaho

Hypospectral imagery and the Elwha Corridor: an example of multi agency cooperation through a CESU agreement-- Jeff Braatne, University of Idaho

Glacier Film Project "Saving the Grizzly, One Hair at a Time"-- John Shier, Montana State University

How a research catalog, small amounts of money, good students and the PNW CESU agreement make significant contributions to North Cascades National Parks biological science program-- Regina Rochefort, National Park Service

Do military combat training overflights impact human users of selected Alaska protected areas: results from a large multi-agency social project-- Jane Swanson, University of Washington

Removing Heavy Metals from Ground Water Systems by Precipitation-- Edmond Wong, University of Idaho

Cultural resources management and Pacific West CESUs-- David Louter, National Park Service

Many thanks to all participants for their enthusiastic and thoughtful involvement in the meeting -- the success of the CESU Network relies, in the end, on the individual efforts of managers, scientists and administrators working together to build the organization's capacity and effectiveness. For complete notes from the two-day meeting please visit [our web site](#).

## New and Improved PNW CESU Web Site

Be sure to visit the new and improved PNW CESU web site at [www.cfr.washington.edu/research.cesu](http://www.cfr.washington.edu/research.cesu).

Highlights of the new site include an ever expanding project library which is searchable by key-words, project type or cooperating agency/institution. Complete project summary forms are also available for any PNW CESU project to-date. Also new to the site is helpful information about starting a project through the PNW CESU including all the forms and templates necessary for submitting a Task Agreement to the National Park Service. We hope to post detailed information about initiating projects with all our federal partners in the near future. The project summary form template which must be submitted to the PNW CESU office for ANY project initiated against the Cooperative Agreement is now downloadable from the site as well - see [www.cfr.cesu/research/cesu/projectssummary](http://www.cfr.cesu/research/cesu/projectssummary). As project final reports become available they will be posted on the web site in PDF format. Please send any comments, suggestions or information to include on the PNW CESU web site to: [woodmant@u.washington.edu](mailto:woodmant@u.washington.edu).

## PNW CESU Projects - FY 2003

In this initial edition of Cooperative Ventures, a complete listing of all FY 2003 project titles, funding amounts and cooperators is provided on a convenient insert. In future issues look for an updated listing of all new projects since the last report. In addition to new projects, considerable funds pass through the PNW CESU in the form of project modifications. Fiscal year 2003 modification totals are listed on the project insert as well. For a complete breakdown of PNW CESU project activity since FY 2001 by type and cooperator, or for detailed project summary information, including project abstracts, please visit our web site at [www.cfr.washington/research.cesu](http://www.cfr.washington/research.cesu)

## Project Snapshot FY 01-03

project funds: \$4,354,233

number of projects: 92

cooperators involved: 11

# PNW CESU Projects

Fiscal year 03  
(Oct. 1 2002-Sept. 30 2003)

Project number	Project name	Funding amount	University partner	Agency partner	FY of funding
J9W88030006	Deploy Automated Profiling Vehicle on Crater Lake	5,500.00	OSU	NPS	03
J9W88030010	Ecological Consequences of Recreational Use – Trapper Lake Basin	7,000.00	WWU	NPS	03
J9W88030005	Develop Bull Trout Monitoring Plan and Critical Habitat Assessment	7,504.00	OSU	NPS	03
J9W88030011	Development of Restoration Strategies for Low elevation Riparian Forests in the North Cascades	7,528.00	UW	NPS	03
J9W88030004	Mapping Exotic Weeds at Lake Roosevelt National Recreation Area	8,000.00	UID	NPS	03
J9W88030008	Black Bear Food Habits at Yosemite National Park	10,000.00	UID	NPS	03
J9W88030026	Inventory and Status Assessment of Lichens in Noatak National Reserve	12,000.00	OSU	NPS	03
J9W88030007	Identification of Bat Roosts within John Day Fossil Beds National Monument, Oregon	30,891.00	UID	NPS	03
XXXXX	Ecological Effects and Control of Polygonum Cuspidatum	31,510.00	UW	NPS	03
J9W88030003	Coordination of Monitoring Program for the Northern Semi-Arid Network and Completion of Phase I Report for Monitoring	75,000.00	UID	NPS	03
J9W88030014	Tomales Bay Environmental History/ Historic Resource Study	8,506.00	UW	NPS	03
J9W88030020	Lassen Volcanic National Park Photograph Collection Inventory and Cataloging Project	12,000.00	UW	NPS	03
J9W88030022	Craters of the Moon Archaeological Overview and Assessment	20,000.00	UO	NPS	03
J9W88030015	Phase 1: Buckland Family Networks Study	26,926.00	UAA	NPS	03
J9W88030016	Phase 1: Buckland Family Networks Study	32,788.00	ADFG	NPS	03
J9W88030001	Develop an Oceanic and Nearshore Research and Monitoring Database for the Southwest Alaska Network	13,541.00	ADFG	NPS	03

# PNW CESU Projects cont.

Project number	Project name	Funding amount	University partner	Agency partner	FY of funding
J9W88030025	Preparation of Research and Monitoring Implementation Plan, Elwha River Restoration	28,705.00	WWU	NPS	03
HAF033L02	Changes in Grazing Regulations	66,878.00	UID	BLM	03
J9W88030002	Study of the Holocene Plant Fossil Record in the Upper Skagit Valley, Ross Lake National Recreation Area	67,500.00	UW	NPS	03
J9W88030024	Traditional Use Study for Yosemite Valley and El Portal	74,500	UW	NPS	03
J9W88030009	Paleoenvironmental Reconstruction and Landscape Interactions in the National Parks of Southwest Alaska	197,519.00	UAA	NPS	03
J9W88030017	Water Quality and Chemical Analysis	21,000.00	UID	NPS	03
J9W88030023	Selecting Visitor Carrying Capacity Indicators and Proposing Potential Standards for Mount Rainier National Park	115,400	UW	NPS	03
J9W88030018	Identification of Ross Lake Social Science Needs	6,900.00	UW	NPS	03
J9W88030019	The Collection of Social Information Necessary for Resource and Visitor Management in the Backcountry of Glacier Bay National Park and Preserve	10,000.00	UW	NPS	03
J9W88030021	Recreational Activities and Associated Human Impacts near Lakes Stocked with Fish	11,546.00	UW	NPS	03
J9W88030012	Research to Support Visitor Management at Muir Woods National Monument and Muir Beach	35,500.00	UVM	NPS	03
J9W88030013	The Collection of Social Information Necessary for Resource and Visitor Management in the Dyea Area of Klondike Gold Rush National Historical Park	40,000.00	UW	NPS	03

**Total new projects FY 03                    \$706,757.00**

**Total Modification Funds FY 03            \$874,302.00**

**Total projet funds FY 03                    \$1,518,059.00**

**Total project funds FY 02                    \$1,738,835.00**

**Total project funds FY 01                    \$1,034,339.00**

**Project grand total to-date                    \$4,354,233.00**



Welcome **Southern Oregon University** and the **Alaska Native Science Commission**. The PNW CESU is in the final stages of signing Southern Oregon University and the Alaska Native Science Commission as new university partners. Final copies of the amendment will be mailed to all partners in the coming weeks.

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The **US Fish and Wildlife Service** has appointed Paul Heimowitz as their new representative to the PNW CESU. After an initial visit with the PNW CESU co-leaders this summer, Paul looks forward to learning more about the CESU and facilitating the USFWS participation in CESU projects and activities. Contact info:

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**Cooperative Ventures** is available online at  
[www.cfr.washington.edu/research/CESU](http://www.cfr.washington.edu/research/CESU)

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## Cooperative Ventures

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