

Cooperative
Ecosystem
Studies Units



Pacific Northwest CESU Program Activity

- **April 2010:** Last partners meeting in Portland
- **August 2010:** Held a conference call w/partners
- **Fall, 2010:** National CESU Council completed its review of the program, recommended a 3rd 5-yr term
- **Winter, 2010:** Renewed “Master Agreement” for 2010 - 2015
- **Spring, 2011:** published a newsletter (first since 2007)
- **Sept. 2011:** PNW CESU was co-sponsor of the 2nd Annual PNW Climate Science Conference; poster & panel presentation

Cooperative Ventures
An update of activities from the Pacific Northwest Cooperative Ecosystem Studies Units

Spring 2011

Pacific Northwest CESU Update

News from the Host University

Important events marked the beginning of the 2010-11 academic year for the Pacific Northwest Cooperative Ecosystem Studies Unit and the University of Washington host institution. The PNW CESU was established in 2000 and like other CESUs must complete a review and renewal process every five years. We are pleased to announce that in the fall of 2010 the National CESU Council completed its review and has recommended a third five-year term for the PNW CESU. The approval by the Council recognizes the significant accomplishments of the PNW CESU and positive expectancy that we anticipate over the next five years. The Renewal Self-Assessment noted a substantial increase in funded projects from the previous five years (2004 vs. 2010), a continued allocation of funds across all disciplinary interests (social, biological, physical, cultural and interdisciplinary), and broad participation by our university partners and federal agencies. Funding was distributed almost evenly between research and technical assistance projects.

Events related to the host institution include the creation of the new College of the Environment at the University of Washington (UW). The College of Forest Resources, with a 100-year history with the UW is now one of the leading units within the new College of the Environment. The new designation for the College of Forest Resources is the School of Forest Resources and we join eleven other core units including the School of Aquatic and Fishery Sciences, Department of Atmospheric Sciences, and Earth and Space Sciences, and the

Schools of Oceanography, and Marine and Environmental Affairs. With this new affiliation the CESU is subsumed under a larger College, but remains within the School of Forest Resources where our staff and primary operations reside. It is important to note that the new focus of the College of the Environment, Lisa Graessle, came to the UW from the University of Arizona, where she was involved with the Desert Southwest CESU. Therefore her understanding of the CESU concept and its important role in the new College is central to her administrative goals. Finally, the School of Forest Resources is in a transition period with regard to leadership, which should be resolved within the next academic year. A search is underway, and it is anticipated that a new director will be in residence by Fall 2011. ■

PNW CESU and Regional News

Other events involving the PNW CESU include several new partnership efforts associated with climate change initiatives. In late 2010, Interior Secretary Ken Salazar announced the establishment of a national network of Climate Science Centers (CSCs). Three centers have now been funded and implemented, the Northwest Climate Science Center (NW CSC), the Southeast CSC, and the Alaska CSC, led by the University of Alaska. Our host institution, UW, along with Oregon State University and the University of Idaho are leading the NW CSC. The CSC is to provide science to national and cultural resource managers on those resources most vulnerable

Mission
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.

In This Issue:

- Pacific Northwest CESU Update 1
- Regional Highlights 2
- Conservation, Stewardship and Ecosystem Services Involvement on Sediment Deposition Associated with Fire, Wetland, Oregon National Park 5
- Envisioning Future Changes in the Climate and Hydrology of Northwest Watersheds 6
- Northwestern Pond Turtle Assessment: Ecosystem Services of Land Management 7

Cooperative Ventures newsletter is produced by the Pacific Northwest Cooperative Ecosystem Studies Unit located by the School of Forest Resources at the University of Washington, Seattle.

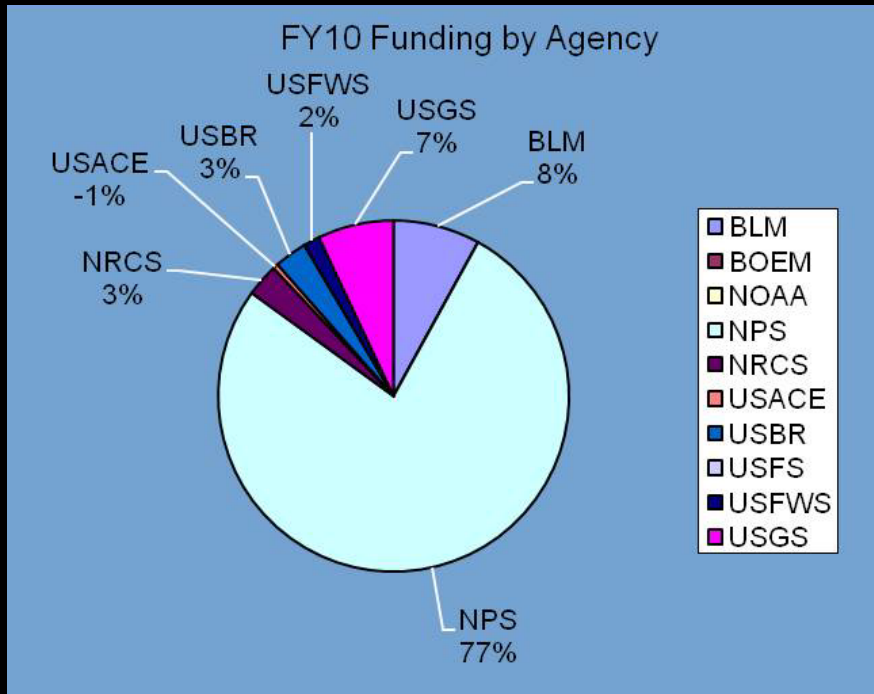
Continued on page 2

Notes:

- SFR changing to School of Environmental and Forest Sciences
- Chris and Debbie servicing Great Basin CESU for NPS, last 2 years

PNW CESU FY10

Number of New Projects & Total Funding by Agency (partial listing)



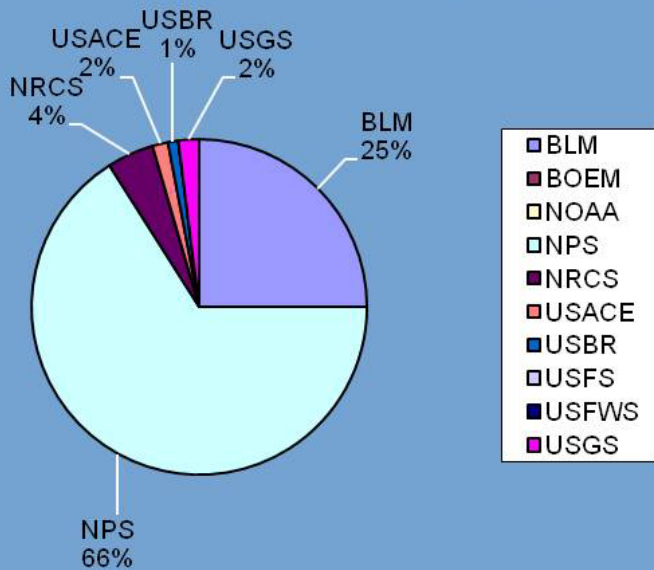
AGENCY	new projects	FY10 - total
BLM	2	407,940
BOEM	0	0
NOAA	0	0
NPS	51	3,974,383
NRCS	2	168,868
USACE	1	20,000
USBR	1	152,059
USFS	0	0
USFWS	2	80,643
USGS	8	356,496

PNW CESU FY11

Number of New Projects & Total Funding by Agency (partial listing)



FY11 Funding by Agency



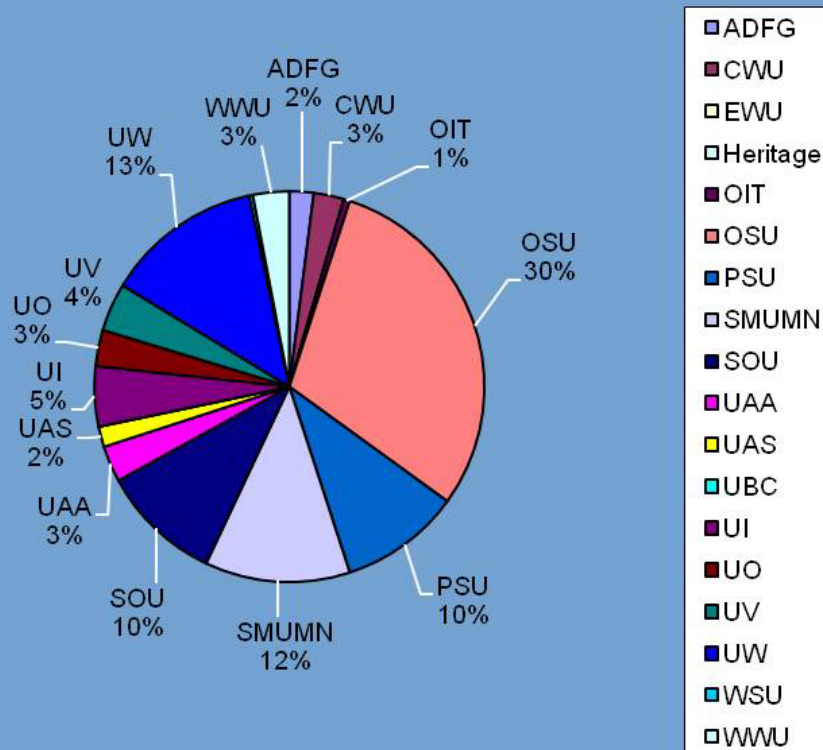
AGENCY	new projects	FY11 - total
BLM	21	1,779,711
BOEM	0	0
NOAA	0	0
NPS	31	4,649,612
NRCS	2	316,329
USACE	1	103,000
USBR	1	73,568
USFS	0	0
USFWS		
USGS	3	130,000

PNW CESU FY10

Number of New Projects & Total Funding by University Partner



FY10 Funding by Cooperator



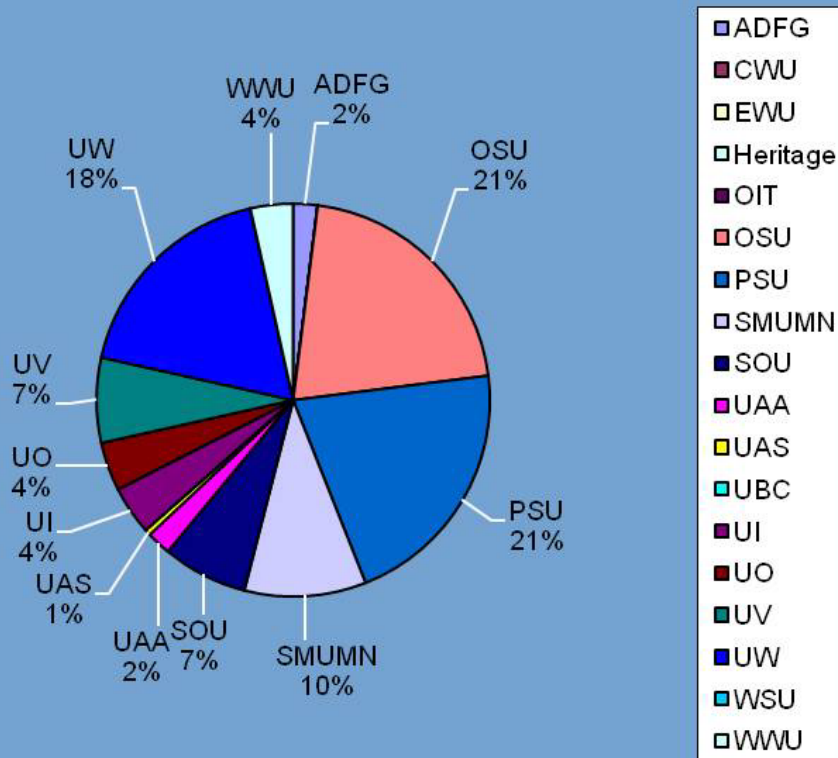
UNIV	new projects	FY10 - total
ADFG	0	99,238
CWU	1	115,000
EWU	0	0
Heritage	0	0
OIT	1	26,783
OSU	20	1,565,408
PSU	6	515,981
SMUMN	9	615,414
SOU	2	499,075
UAA	3	141,680
UAS	2	72,639
UBC	0	0
UI	2	249,800
UO	4	161,009
UV	2	218,606
UW	11	664,512
WSU	0	12,000
WWU	2	168,744

PNW CESU FY11

Number of New Projects & Total Funding by University Partner



FY11 Funding by Cooperator



UNIV	new projects	FY11 - total
ADFG	0	115,918
CWU	0	0
EWU	0	0
Heritage	0	0
OIT	0	0
OSU	12	1,468,563
PSU	12	1,441,915
SMUMN	5	673,993
SOU	4	497,020
UAA	1	144,476
UAS	0	30,680
UBC	0	0
UI	1	303,084
UO	3	285,623
UV	4	469,595
UW	12	1,239,489
WSU	0	10,000
WWU	2	245,864

NPS FY11 projects – partial list



TA number	Project name	partner
J8W07110001	Administration of the 2011 George Melendez Wright Climate Change Fellowship Program	UW
J8W07110003	Identifying the Causes of Landscape Change in the North Coast and Cascades Network Parks	WWU
J8W07110005	Development of Sampling Designs and Statistical Approaches for Monitoring Status and Trends in Indicators of Riverbank Condition along the Merced River in Yosemite National Park	UID
J8W07110006	Improving the Natural Resources Information System (NRInfo) Records and Holdings for Alaska's Parks	UAA
J8W07110007	A Visitor Survey to Support Wilderness Stewardship Planning at Olympic National Park	UVM
J8W07110008	Cultural Landscapes Inventory and Condition Update	UO
J8W07110009	Expand Coastal Engineering Inventory to Provide Evaluations of Projects Potentially Impacting Natural Sediment Transport Processes	OSU
J8W07110010	Field-Mapping Glacier Extents at Mount Rainier for Hazard Recognition	PSU
J8W07110011	Natural Resources Condition Assessment for Guadalupe Mountains National Park	SMUMN
J8W07110012	Vegetation Classification and Mapping at Lava Beds National Monument and Crater Lake National Park	SOU
J8W07110013	Using LiDAR to Determine the Relationship between Fire History and Forest Structure at Crater Lake National Park	UW
J8W07110014	Identifying Potential Barriers, Corridors, and Refugia for Species in the Face of Climate Change	UW
J8W07110015	Development of Orthorectified Historic Imagery for Resource Assessments in the Central Alaska Network	SMUMN
J8W07110016	A Cultural Landscape Inventory of the Chulitna River-Sixmile Lake Area at Lake Clark National Park and Preserve	UW
J8W07110017	Water Quality Monitoring at English Camp and American Camp	UW
J8W07110018	Natural Resources Condition Assessments for Padre Island National Seashore and Palo Alto Battlefield National Historic Site	SMUMN
J8W07110020	Initiating a Permafrost Survey for Northern Alaska Parks	SMUMN
J8W07110021	Detect Contaminant Accumulation in Western Pond Turtles to Assess Foothill Ecosystem Condition	OSU
J8W07110022	Non-Point Contaminants in Alaskan Park Ecosystems: State of Knowledge and Gap Analysis Report	OSU
J8W07110023	Paleontological Inventory of Denali National Park and Preserve	OSU
J8W07110024	Providing Cultural Research Assistance to Lewis and Clark National Historical Park	PSU
J8W07110025	Spatial and Taxonomic Variation in Disease Resistance for Amphibians in Mount Rainier National Park	OSU
J8W07110026	Arranging and Describing Archival and Manuscript Materials at Yellowstone National Park	WWU
J8W07110027	Condition Assessments of the First and Second Fort Bowie	UVM
J8W07110028	A Regional Climate Analysis and Development of Climate Chapters for the Natural Resources Condition Assessments for Mount Rainier National Park and North Cascades National Park Complex	UW
J8W07110029	Identifying Spatial Metrics to Evaluate the Influence of Recreational Impacts on Ecosystems in Mount Rainier National Park	UW
J8W07110030	2012 George Melendez Wright Climate Change Fellowship Program	UW
J8W07110031	Assessment of Semi-Volatile Organic Compounds in Fish from High Elevation Lakes in Sequoia and Kings Canyon National Parks	OSU
J8W07110032	Transportation as a Barrier to Visiting National Parks by Communities of Color	UVM