Appendix F
Partner Activity Report Example

Pacific Northwest CESU

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

Website: http://www.cfr.washington.edu/research.cesu

Email: pnwcesu@uw.edu

Federal Agencies

- Bureau of Land Management (BLM)
- Bureau of Reclamation (USBR)
- Bureau of Ocean Energy Management (BOEM)
- Department of Defense
- National Oceanic and Atmospheric Administration (NOAA)
- National Park Service (NPS)
- Natural Resources Conservation Service (NRCS)
- U.S. Army Corps of Engineers (USACE)
- U.S. Fish and Wildlife Service (USFWS)
- U.S. Forest Service (USFS) - Pacific Northwest Research Station
- U.S. Geological Survey (USGS)

Partners

Universities

- University of Washington - Host University
- Central Washington University
- Eastern Washington University
- Heritage University
- Oregon Institute of Technology
- Oregon State University
- Portland State University
- Saint Mary's University of Minnesota
- Southern Oregon University
- University of Alaska Anchorage
- University of Alaska Southeast
- University of British Columbia
- University of Idaho
- University of Oregon
- University of Vermont and State Agriculture College
- Washington State University
- Western Washington University

State Agency

- Alaska Department of Fish and Game

OSU PNW CESU Funding-at-a-Glance

Partner	Year Joined PNW CESU	FY14 New Project $	FY14 # of New Projects	FY14 Modification $ (adding funding to existing projects)	FY14 # of Modifications	FY14 Total Funding	FY01-FY14 # of Projects	Total Funding FY01-FY14 (approx. 32% of all PNW CESU funding)
OSU	2001	$928,956	12	$2,433,343	24	$3,362,299	178	$25,624,395

OSU PNW CESU Project by Type (FY01-FY14)

Type	Research	Technical Assistance	Education
Count	81	76	11
$	$16,197,615	$8,231,789	$507,568

OSU PNW CESU Project by Discipline (FY01-FY14)

Type	Biological	Interdisciplinary	Cultural	Social	Physical
Count	126	3	1	2	36
$	$19,195,157	$889,350	$163,715	$152,395	$4,523,356

OSU PNW CESU Funding by Federal Agency and by Fiscal Year

TABLE 1: Oregon State University project funding sorted by Fiscal Year and Federal Agency.

OSU	PNW CESU FEDERAL AGENCY FUNDING							
Fiscal Year of Funding	BLM	NPS	NRCS	USACE	USBR	USFWS	USGS	Grand Total
14	$ 317,475	$ 428,939	$ 589,619	$ 1,920,266		$ 81,000	$ 25,000	$ 3,362,299
13	$ 246,524	$ 145,515		$ 2,641,021		$ 118,633	$ 36,279	$ 3,187,972
12	$ 169,922	$ 474,337	$ 899,000			$ 84,328	$ 460,172	$ 2,087,759
11	$ 1,156,946	$ 803,116			$ -	$ 29,876	$ 33,560	$ 2,023,498
10	$ 795,370	$ 984,202	$ 39,972		$ 57,059	$ 114,628	$ 113,510	$ 2,104,741
09	$ 787,222	$ 220,359	$ 70,000		$ 69,684		$ 82,000	$ 1,229,265
08	$ 612,540	$ 480,274	$ 427,639				$ 86,500	$ 1,606,953
07	$ 504,762	$ 334,069	$ 179,284				$ 154,750	$ 1,172,865
06	$ 924,412	$ 554,895	$ 756,690		$ 319,194		$ 169,550	$ 2,724,741
05	$ 615,780	$ 737,131	$ 541,924		$ 99,498		$ 111,500	$ 2,105,833
04	$ 1,179,418	$ 461,517						$ 1,640,935
03	$ 875,790	$ 724,716						$ 1,600,506
02	$ 173,760	$ 408,267						$ 582,027
01	$ 175,000	$ 20,000						$ 195,000
Grand Total	**$ 8,534,922**	**$ 6,777,337**	**$ 3,504,128**	**$ 4,561,287**	**$ 545,435**	**$ 428,465**	**$ 1,272,821**	**$ 25,624,395**

OSU Table #2. FY14 New Projects and FY14 Additional Funding added to Existing Projects

OSU - NEW FY14 PROJECTS

project_name	funding	agency	project_type	discipline
BLM OR-WA CESU Identifying Tools Based on What Users Do.	$25,000	BLM	technical assistance	
BLM OR-WA Cooperative Ecosystems Studies Unit (CESU) Panther Creek Weather Modeling	$200,000	BLM		
Inner City Youth Institute Program, Oregon State Office	$42,475	BLM		
Enhanced Monitoring and Data Synthesis of Sagebrush Steppe Communities in Upper Columbia Basin Network parks	$15,959	NPS	research	biological
Lepidoptera (Butterflies and Moths) of Crater Lake National Park	$9,988	NPS	research	biological
Evaluating Impacts of a Pneumonia Epizootic and Potential for Disease Transmission Among Desert Bighorn Sheep Herds in and near Mojave National Preserve	$157,625	NPS	research	biological
Lichen Community Analysis for Environmental Monitoring	$14,007	NPS	research	biological
Landscape Change Detection in North Coast and Cascades Network (NCCN) Parks in Support of NCCN Landscape Dynamics Monitoring	$15,283	NPS	research	biological
Updating PRISM Climate Maps for Alaska (using 1981 -2010 data) and Developing Monthly Time Series Maps for Temperature and Precipitation	$115,000	NPS	research	physical
CEAP assessment of the effects of the NRCS Lesser Prairie-Chicken Inititive	$173,953	NRCS		
Integrating Soil Microbial Community Composition into Soil Survey as an Index to Soil Health	$116,666	NRCS		
Probability of Occurrence Reanalysis - PSG Marbled Murrelet Inland Survey Protocol	$43,000	USFWS		

OSU - EXISTING PROJECTS RECEIVING FY14 ADDITIONAL FUNDING.

project_name	funding	agency	project_type	discipline
Natural Resource Condition Assessments for San Juan Island National Historical Park and Ebey's Landing National Historical Reserve	$10,000	NPS	research	biological
Evaluating Carbon Pools and Fluxes Using a DGVM with Prescribed Landuse: MCI Contribution to Land Carbon Project	$25,000	USGS	technical assistance	biological
Enhanced Monitoring and Data Synthesis of Sagebrush Steppe Communities in Upper Columbia Basin Network parks	$35,445	NPS	research	biological
Koloa maoli (Anas wyvilliana), or Hawaiian Duck	$38,000	USFWS	technical assistance	biological
Oregon Flora Project	$50,000	BLM	research	biological
Lichen Inventory for the Southwest Alaska Network	$55,632	NPS	technical assistance	biological
Outcome-based Evaluation of the NRCS Lesser Prairie Chicken Initiative	$299,000	NRCS	research	biological
Columbia River Fish Monitoring and Evaluation Studies	$952,680	USACE	research	biological
Columbia River Fish Monitoring and Evaluation Studies	$967,586	USACE	research	biological

OSU PNW CESU Funded Projects by OSU Principal Investigator

TABLE 3: Oregon State University total project list, sorted by Principle Investigator, with Agency and Total Project Funding listed. If the Agency is not listed, it is the same as the previous line. Note: These figures are missing some funding, due to a technical database issue being resolved soon.

OSU				
Univ_PI_Lname	**PI_Fname**	**Agency**	**Project name**	**Total**
Anthony	**Robert**	BLM	Locating and Protecting Tree Vole Sites	$ 133,475
			Productivity and Habitat Use of Spotted Owls in Relation to Fire Severity in Southwestern Oregon	$ 243,757
		NPS	Competitive Interactions between the Northern Spotted Owls and Barred Owls in Western Oregon	$ 145,000
Anthony Total				**$ 522,232**
Bachelet	**Dominique**	NPS	Quantitative Forecasting of Above and Belowground Climate Change Impacts at Wind Cave National Park	$ 164,181
Bachelet Total				**$ 164,181**
Baker	**C. Scott**	NPS	Humpback Whale (Megaptera novaeangliae) Genetic and Demographic Structure within Southeastern Alaska	$ 90,969
			Linking Genetic Data and Sighting Histories of Individual Humpback Whales in a Collaborative Database	$ 58,463
Baker Total				**$ 149,432**
Bartholomew	**Jeri**	NPS	Spatial and Taxonomic Variation in Disease Resistance for Amphibians in Mount Rainier National Park	$ 38,979
Bartholomew Total				**$ 38,979**
Blodgett	**Robert**	NPS	Paleontological Inventory and Geologic Framework of Glacier Bay National Park and Preserve	$ 37,759
			Paleontological Inventory of Denali National Park and Preserve	$ 27,025
Blodgett Total				**$ 64,784**
Bolte	**John**	USGS	Adapting SPARROW to ENVISION for the Puget Sound	$ 5,000
Bolte Total				**$ 5,000**
Brooks	**Edward**	NPS	Analysis of Persistent Cave Ice Resources for Lava Beds National Monument	$ 5,020
Brooks Total				**$ 5,020**
Butcher	**Karyle**	BLM	Macrolichens of the Pacific Northwest, version II	$ 30,000
Butcher Total				**$ 30,000**
Cazares	**Efren**	NPS	Mycorrhizal fungi in disturbed sites at Mt. Rainier National Park	$ 20,001
Cazares Total				**$ 20,001**
Chan	**Samuel**	BLM	Invasive Species Awareness Training and Outreach Material Development	$ 80,000
Chan Total				**$ 80,000**

Cohen	**Warren**	NPS	Determining Viable Methods to Monitor Landscape Patterns in National Park Service Units of the Northern and Southern Colorado Plateau Networks: Project to Support Monitoring Protocol Development.	$ 265,445
Cohen Total				**$ 265,445**
Collier	**Robert**	NPS	Deploy Automated Profiling Vehicle on Crater Lake	$ 5,500
			Deploy Automated Profiling Vehicle on Crater Lake 2004	$ 17,781
			Process Lake Temperature Data and Assist with Weather Web Site Development	$ 17,850
			Replace deep-water weather buoy mooring and anchor in Crater Lake	$ 6,372
			Service thermister/sediment trap mooring and calibrate temperature sensors	$ 18,530
			Upgrading Weather Station Collection System at Crater Lake National Park	$ 21,522
Collier Total				**$ 87,555**
Conway	**Flaxen D.L.**	NPS	Natural Resource Condition Assessments for San Juan Island National Historical Park and Ebey's Landing National Historical Reserve	$ 79,963
Conway Total				**$ 79,963**
Corp	**Mary**	NRCS	Nutrient Management Guides	$ 90,500
Corp Total				**$ 90,500**
Cuenca	**Richard H**	BLM	Hydrologic Effects of Upper Klamath Lake and Wood River Wetland Water Management, Klamath Falls Resource Area, Lakeview District	$ 77,489
		NRCS	Evaluation and Modification of the MIKE SHE Evapotranspiration Algorithm – Sprague River Basin	$ 102,838
			Wood River Conservation Effects Assessment Project	$ 86,609
Cuenca Total				**$ 266,936**
Daly	**Christopher**	NPS	Develop High Resolution Climate Maps for Alaska, 1971-2000	$ 75,035
			High Resolution Climate Maps for Pacific Islands, 1971-2000	$ 50,000
			Providing PRISM Climate Surface Maps for Inventory and Monitoring Networks	$ 19,500
			Updating PRISM Climate Maps for Alaska (using 1981 -2010 data) and Developing Monthly Time Series Maps for Temperature and Precipitation	$ 115,000
		NRCS	Spatial Quality Control System for the SNOTEL System and Climate Maps for the United States	$ 280,000
			Time Series	$ 70,000
		USGS	An Assessment of Temporal and Spatial Trends in Historical Climate Data for San Francisco Bay Area Network Parks	$ 15,000
Daly Total				**$ 624,535**
Davis	**Loren**	BLM	Salmon River Geoarcheology	$ 163,715
Davis Total				**$ 163,715**
Duggan	**Brian**	NRCS	Monitoring Water Use by Carrot-Seed Crops in Central Oregon	$ 11,108
Duggan Total				**$ 11,108**

English	**Marshall**	NRCS	Development of an Online Irrigation Scheduling Advisory Program	$ 267,206
			Save Energy, Save Water Initiative Concept Paper	$ 41,290
English Total				**$ 308,496**
Epps	**Clinton**	NPS	Assessing Climate Refugia and Connectivity for Desert Bighorn Sheep	$ 356,514
			Evaluating Impacts of a Pneumonia Epizootic and Potential for Disease Transmission Among Desert Bighorn Sheep Herds in and near Mojave National Preserve	$ 157,625
			Pikas in Peril: Multi-Regional Vulnerability Assessment of a Climate-Sensitive Sentinel Species	$ 364,573
Epps Total				**$ 878,712**
Ford	**Jesse**	NPS	Airborne Contaminants in Vegetation and Soils in Cape Krusenstern National Monument	$ 13,430
Ford Total				**$ 13,430**
Gaines	**Eleanor**	BLM	Western Snowy Plover Monitoring Program	$ 452,000
Gaines Total				**$ 452,000**
Gaines	**Lisa**	NPS	Virtual Research and Learning Centers Network Management	$ 24,000
Gaines Total				**$ 24,000**
Good	**James**	NPS	Functional Assessment of Wetland/Riparian Communities in Crater Lake National Park, Lassen Volcanic National Park, and Oregon Caves National Monument	$ 90,062
Good Total				**$ 90,062**
Gregory	**Stanley**	NRCS	NRCS Stream Visual Assessment Protocol Part 2	$ 5,312
Gregory Total				**$ 5,312**
Hardison	**Linda**	BLM	Morphological Database: Oregon flora project	$ 234,000
Hardison Total				**$ 234,000**
Hayes	**John**	BLM	Evaluation of the Influences of Salvage and Salvage Intensity on Wildlife	$ 590,226
			Landscape Scenario Analysis Project	$ 429,550
Hayes Total				**$ 1,019,776**
Heppell	**Selina**	USBR	Development of Life-Stage Specific Population Dynamics Models for Lost River and Shortnose Suckers in the Upper Klamath Basin	$ 99,498
Heppell Total				**$ 99,498**
Hibbs	**David**	BLM	Evaluation of the Influences of Salvage and Salvage Intensity on Wildlife	$ 590,226
			Predicting Post-Fire Regeneration Needs	$ 347,513
Hibbs Total				**$ 937,739**
Horneck	**Don**	NRCS	Development of Fertilizer Guides	$ 40,000
			Nutrient Management Guides	$ 90,500
Horneck Total				**$ 130,500**
Howe	**Glenn**	NPS	Forest management and climate change: A synthesis of genetic and silvicultural	$ 20,000

			options for the Western U.S.	
Howe Total				**$ 20,000**
Hughes	**Robert**	NRCS	Validation of Stream Visual Assessment Protocol-2	$ 80,000
Hughes Total				**$ 80,000**
Jenkins	**Jeffrey**	NRCS	National Water Quality Handbook, Part 606 (Pesticides)	$ 46,200
Jenkins Total				**$ 46,200**
Jepson	**Paul**	NRCS	Crop- and Watershed-specific IPM Guidelines for Oregon	$ 70,000
Jepson Total				**$ 70,000**
Kagan	**Jimmy**	BLM	Evaluate and Complete the Element Global Rankings (EGRs) and Element State Rankings (ESRs) for all the Survey and Manage (S&M) species in the 2001 S&M Record of Decision (ROD) for Oregon, Washington and California.	$ 142,000
		NPS	Development of a Vegetation Map for Lewis and Clark National Historical Park	$ 42,344
			Development of GIS Maps of Whitebark Pine Communities at Crater Lake National Park, OR	$ 3,948
			Distribution and Status of the Plants Endemic to the Paleosols of the Painted Hills Unit at John Day Fossil Beds National Monument	$ 26,443
			Lewis & Clark National Historical Park - Vegetation Inventory and Herbarium Review	$ 58,000
			Re-evaluation of The Island and Round Top Butte Natural Areas as Potential National Natural Landmarks	$ 3,809
			The Evaluation of Natural Areas in the Pacific West Region as Potential National Natural Landmarks	$ 32,238
			Vegetation mapping at Mount Rainier National Park	$ 169,000
Kagan Total				**$ 477,782**
Kennedy	**Robert**	NPS	Application of LandTrendr Results to North Coast and Cascade Network Landscape Dynamics Monitoring	$ 13,077
			Determining Viable Methods to Monitor Landscape Patterns in National Park Service Units of the Northern and Southern Colorado Plateau Networks: Project to Support Monitoring Protocol Development.	$ 265,445
			Landscape Change Detection in North Coast and Cascades Network (NCCN) Parks in Support of NCCN Landscape Dynamics Monitoring	$ 15,283
			Testing and Applying a New Remote Sensing Tool (LandTrendr) to Detect and Monitor Landscape Dynamics	$ 65,652
			Using LandTrendr to Characterize Land Cover Dynamics in Juniper Woodlands of Dinosaur National Monument	$ 29,922
Kennedy Total				**$ 389,379**
Kent	**Michael**	NPS	NPS Western Airborne Contaminants Assessment Project - Fish Studies	$ 364,675

Kent Total				**$ 364,675**
Keon	**Dylan**	USGS	Continued Development of a National Biological Information Infrastructure Node for the Pacific Northwest (NBII)	$ 435,800
Keon Total				**$ 435,800**
Kiser	**Jim**	NRCS	Revision to the NRCS Engineering Field Handbook Survey Chapter - Global Positioning System (GPS) and Terrestrial Surveying	$ 5,000
Kiser Total				**$ 5,000**
Klinck	**Holger**	NPS	Supporting the Ocean Noise Reference Station Network with Underwater Acoustic Monitoring at the National Park of American Samoa	$ 15,959
Klinck Total				**$ 15,959**
Koloszar	**Theresa**	BLM	Western Snowy Plover Monitoring Program	$ 452,000
Koloszar Total				**$ 452,000**
LaCava	**Clem**	BLM	Joint Fire Science Project - Fuels Reduction Study under the Cooperative Ecosystem Studies Unit (CESU) program.	$ 134,881
LaCava Total				**$ 134,881**
Lancaster	**Stephen**	NPS	Modeling a Channel Migration Corridor for the 59-mile Segment of the Missouri National Recreational River	$ 36,000
Lancaster Total				**$ 36,000**
Larson	**Gary**	NPS	Develop Bull Trout Monitoring Plan and Critical Habitat Assessment	$ 7,504
Larson Total				**$ 7,504**
Lillie	**Robert**	NPS	Geology training and interpretation in national parks	$ 31,200
Lillie Total				**$ 31,200**
Liston	**Aaron**	NRCS	Gymnosperm Taxon Concept Mapping and Identification Data	$ 10,000
Liston Total				**$ 10,000**
Macnab	**Sandy**	NRCS	Range and Riparian Grazing Management	$ 1,848
Macnab Total				**$ 1,848**
Markle	**Douglas**	BLM	Distribution and Relative Abundance of the Umpqua Chub	$ 31,000
		USBR	Development of Life-Stage Specific Population Dynamics Models for Lost River and Shortnose Suckers in the Upper Klamath Basin	$ 99,498
			Ecology of Upper Klamath Lake Shortnose and Lost River Suckers	$ 319,194
Markle Total				**$ 449,692**
Marshall	**Chris**	NPS	Engage Professional and Citizen Scientists to Survey the Biota of Olympic National Park –Taxonomy and Specimen Management	$ 36,000
			Lepidoptera (Butterflies and Moths) of Crater Lake National Park	$ 9,988
Marshall Total				**$ 45,988**
Mata-Gonzalez	**Ricardo**	NPS	Enhanced Monitoring and Data Synthesis of Sagebrush Steppe Communities in Upper Columbia Basin Network parks	$ 111,908

Mata-Gonzalez Total				**$ 111,908**
McCune	**Bruce**	BLM	Lichen/bryophyte Habitat Analysis and Surveys in Eastern Oregon	$ 51,000
		NPS	A Review of Sierra Nevada Lichen Data and Literature	$ 12,000
			Assessment of Reindeer Impacts to Lichen Ecosystems in Bering Land Bridge National Preserve	$ 52,000
			Inventory and Status Assessment of Lichens in Noatak National Reserve	$ 92,179
			Lichen Community Analysis for Environmental Monitoring	$ 14,007
			Lichen Inventory for the Southwest Alaska Network	$ 190,632
			Lichen Monitoring in Gates of the Arctic National Park	$ 120,720
McCune Total				**$ 532,538**
Mellinger	**Dave**	NPS	Acoustical Communication Conference and Workshops on the Impacts of Anthropogenic Noise	$ 17,625
Mellinger Total				**$ 17,625**
Miller	**Richard**	BLM	Examine Effects of Spatial Landscape Structure, Composition, and Change on Population Size and Dynamics of Sage-grouse	$ 180,000
		NPS	Juniper Encroachment in the Lava Beds National Monument	$ 40,000
Miller Total				**$ 220,000**
Moldenke	**Andrew**	BLM	Influence of Forest Thinning on Landscape Pattern of Arthropod Diversity in Headwater Riparian Zones	$ 80,420
Moldenke Total				**$ 80,420**
Mote	**Philip**	USFWS	North Pacific Landscape Conservation Cooperative Time Graphs and Spatial Maps	$ 38,760
		USGS	Envisioning Future Changes in the Climate and Hydrology in Northwest Estuaries	$ 85,010
Mote Total				**$ 123,770**
Nanus	**Leora**	NPS	Non-Point Contaminants in Alaskan Park Ecosystems: State of Knowledge and Gap Analysis Report	$ 11,751
Nanus Total				**$ 11,751**
Newton	**Michael**	BLM	Relation Between Overstory Density Management, Understory Planting and Long-Term Development of Stand Structures	$ 133,806
Newton Total				**$ 133,806**
Noller	**Jay**	NRCS	Advancing the Soil Map Analysis Program (SoilMAP) for Soil Survey	$ 165,485
			Dev Soil and Landscape	$ 39,972
Noller Total				**$ 205,457**
O'Connell	**Kari**	BLM	Implementation of the Alien Invasion: Plants on the Move curriculum	$ 62,692
O'Connell Total				**$ 62,692**
Pakenham	**Anna**	NPS	Natural Resource Condition Assessments for San Juan Island National Historical Park and Ebey's Landing National Historical Reserve	$ 79,963
Pakenham Total				**$ 79,963**

Pancake	**Cherri**	USGS	Continued Development of a National Biological Information Infrastructure Node for the Pacific Northwest (NBII)	$ 435,800
Pancake Total				**$ 435,800**
Puettmann	**Klaus**	BLM	Vegetation Measurements and Analysis of the Density Management Study	$ 1,564,462
Puettmann Total				**$ 1,564,462**
Radosevich	**Steven**	BLM	Japanese Knotwood population dynamics in Western Oregon Riparian areas.	$ 29,255
Radosevich Total				**$ 29,255**
Reuter	**Ron**	BLM	Central Oregon Live-Fuel Moisture Monitoring	$ 46,100
		NPS	Enhanced Monitoring for Improved Management and Restoration Decision-making in the Wetland Camas Prairies of the Upper Columbia Basin Network	$ 47,052
Reuter Total				**$ 93,152**
Robinson	**Douglas**	BLM	Conducting Fire Science Research in Southwestern Oregon	$ 307,149
Robinson Total				**$ 307,149**
Roby	**Daniel**	NPS	Developing a Monitoring Plan for Brachyramphus Murrelets in Alaska	$ 25,000
			Identifying trophic level and isotopic signatures of Kittlitz's murrelets and their prey in Icy Bay, Wrangell St-Elias National Park and Preserve	$ 24,205
			Understanding the Extent and Severity of Disturbance by Motorized Vessels to Kittlitz's Murrelets in Glacier Bay National Park	$ 211,139
Roby Total				**$ 260,344**
Ruggiero	**Peter**	NPS	Expand Coastal Engineering Inventory to Provide Evaluations of Projects Potentially Impacting Natural Sediment Transport Processes	$ 180,001
Ruggiero Total				**$ 180,001**
Schoenholtz	**Stephen**	BLM	Influences of Post-Fire Salvage Logging on Soil Erosion	$ 25,000
Schoenholtz Total				**$ 25,000**
Schreck	**Carl**	NPS	Extent of Endocrine Disruption and Airborne Contaminants in Fish of Western and Alaskan National Parks	$ 124,490
		USACE	Columbia River Fish Monitoring and Evaluation Studies	$ 4,561,287
Schreck Total				**$ 4,685,777**
Selker	**John**	USBR	Distributed Temperature Sensing (DTS) System	$ 126,743
Selker Total				**$ 126,743**
Simonich	**Staci**	NPS	Air Toxics Ecosystem Monitoring Program	$ 1,666,135
			Assessment of Persistent Organic Pollutant Concentrations in Select Freshwater Fish Species, Southwest Alaska Network Parks	$ 46,530
			Assessment of Semi-Volatile Organic Compounds in Fish from a High Elevation Lake in Yosemite National Park	$ 21,000
			Assessment of Semi-Volatile Organic Compounds in Fish from High Elevation Lakes in Sequoia and Kings Canyon National Parks	$ 38,070

			Detect Contaminant Accumulation in Western Pond Turtles to Assess Foothill Ecosystem Condition	$ 59,572
			Developing an Air Contaminants Research and Monitoring Strategy for the Sierra Nevada-Southern Cascades Region	$ 17,066
			Non-Point Contaminants in Alaskan Park Ecosystems: State of Knowledge and Gap Analysis Report	$ 11,751
			Semi-volatile Organic Compounds in Pacific Treefrog Tadpoles and Lake Sediment from Yosemite National Park	$ 88,980
			Semi-volatile Organic Compounds in Pacific Treefrog Tadpoles from Sequoia and Kings Canyon National Parks	$ 81,247
Simonich Total				**$ 2,030,351**
Skaugset	**Arne**	BLM	Watershed Reseach Co-op: Hinkle Creek Paired Watershed Study and Demonstration	$ 468,000
			Watersheds Research Cooperative	$ 10,000
Skaugset Total				**$ 478,000**
Stemper	**David**	BLM	Inner City Youth Institute Natural and Cultural Resource Program	$ 84,300
Stemper Total				**$ 84,300**
Stringham	**Tamzen**	NRCS	Pasture Vegetation Monitoring in the Wood River Valley	$ 120,000
			Riparian Area Vegetation Monitoring in the Sprague River Valley	$ 13,530
			Riparian Area Vegetation Monitoring in the Wood River Valley	$ 51,241
Stringham Total				**$ 184,771**
Sullivan	**Dan M.**	NRCS	Development of Fertilizer Guides	$ 40,000
			Nutrient Management Publications for Oregon NRCS Clientele	$ 10,000
			Training Workshop for Oregon USDA-NRCS Nutrient Management Planners	$ 10,000
Sullivan Total				**$ 60,000**
Sunberg	**Scott**	BLM	Develop a database of native plant species by county in the state of Oregon	$ 175,000
Sunberg Total				**$ 175,000**
Tanaka	**John**	BLM	Assessment of Social Science	$ 134,770
Tanaka Total				**$ 134,770**
Taylor	**George H.**	NPS	Develop High Resolution Climate Maps for Alaska, 1971-2000	$ 75,035
			High Resolution Climate Maps for Pacific Islands, 1971-2000	$ 50,000
		NRCS	Soil-Climate Data and Soil Moisture Temperature Model Development Proposal	$ 397,370
Taylor Total				**$ 522,405**
Todd	**Brian**	NPS	Detect Contaminant Accumulation in Western Pond Turtles to Assess Foothill Ecosystem Condition	$ 59,572
Todd Total				**$ 59,572**
Wilson	**Mark**	NPS	Classification and Mapping of Wetland Vegetation Communities in Lassen	$ 56,812

			Volcanic and Crater Lakes National Parks	
Wilson Total				**$ 56,812**
Yang	**Zhiqiang**	NPS	Change Detection in NCCN Parks in Support of NCCN Landscape Dynamics Monitoring	$ 13,715
			Determining Viable Methods to Monitor Landscape Patterns in National Park Service Units of the Northern and Southern Colorado Plateau Networks: Project to Support Monitoring Protocol Development.	$ 265,445
			Developing and Refining Remote Sensing Tools for Monitoring Land Cover Change for the Great Lakes Network Parks	$ 20,000
			Development of a Landscape Dynamics Monitoring Protocol for Sierra Nevada Network Parks	$ 100,000
			Testing and Applying a New Remote Sensing Tool (LandTrendr) to Detect and Monitor Landscape Dynamics	$ 65,652
Yang Total				**$ 464,812**
Grand Total				**$ 23,475,225**