

Science Support Partnership Activities Funded in FY2005

Notes:

This report will be updated monthly.

PTS = BASIS+ subtask number assigned under 3210APN. Subtasks are assigned when money is distributed (i.e., when study plan is received in Reston for research activity). Funding amounts reflect contributions from SSP only.

Question? Please contact Steve Hilburger (shilburger@usgs.gov, 703-648-4036) or Rick Kearney (rkearney@usgs.gov, 703-648-4019).

Project ID	PTS	Region	Center	Study Plan	Project Title	USGS PI	SSP Budget				
							FY2005	FY2006	FY2007	FY2008	FY2009
04-R2-02	9.7	Central	CERC	Yes	Why do egrets and herons nest in urban environments? Establishing causality and associated health hazards	Miguel Mora	49923	55702	0	0	0
04-R3-02	9.5	Central	CERC	Yes	Characterization and development of alarm substance pheromone to control invasive bighead and silver carp	Ed Little	150000	75000	0	0	0
04-R3-04	9.8	Central	CERC	Yes	Evaluation of contaminant risks to the endangered Tumbling Creek covesnail	John Besser	35000	0	0	0	0
05-R2-05	9.9	Central	CERC	Yes	Effects of Antimycin A, Round-up, Garland, and copper, cadmium, and selenium on the threatened Chiricahua Leopard Frog	Ed Little	44102	46725	0	0	0
05-R3-05	9.11	Central	CERC	Yes	Determine the sensitivity of Ozark mussels to zinc and lead in water and sediment	Chris Ingersoll	50000	25000	0	0	0
05-R6-06	9.10	Central	CERC	TA	Ecological Risk Assessment of Herbicides Used to Control Invasive Plants: Maximizing Environmental Safety for Threatened and Endangered Fish	James Fairchild	19950	0	0	0	0
01-R2-08	7.2	Central	FORT	Yes	Investigations into the early life histories of the razorback sucker (<i>Xyrauchen texanus</i>) and bonytail (<i>Gila elegans</i>) in Cibola High Levee Pond, Arizona.	Gordon Mueller, Jeanette Carpenter, Paul March	63000	0	0	0	0
01-R6-10	7.3	Central	FORT	Yes	Mountain Plover/Agricultural Lands in Eastern Colorado	Fritz L. Knopf	7608	0	0	0	0
02-R6-04	7.4	Central	FORT	Yes	Genetic comparison of trumpeter swan populations	Sara J. Oyler- McCance	10000	0	0	0	0
03-R6-01	7.6	Central	FORT	Yes	Riparian willow restoration along the Illinois River at Arapaho NWR, Colorado.	Gregor Auble, Murray Laubhan, Michael Scott	12500	12500	12500	12500	0
03-R6-03	7.7	Central	FORT	Yes	Effects of ungulate browsing on post-fire recovery of cottonwoods and willows: implications for management of riparian forests.	Michael Scott	11500	11500	0	0	0
04-R3-05	7.5	Central	FORT	Yes	Population estimates for migrating shorebirds in National Wildlife Refuges and associated state and private lands of the Lower Missouri River ecosystem	Adrian Farmer	10200	0	0	0	0
05-R1-17	7.17	Central	FORT	TA	Extend Klamath River young of year salmon habitat monitoring and modeling	Sam Williamson	22000	0	0	0	0
05-R2-01	7.16	Central	FORT	TA	To determine if physical and behavioral conditioning increases short-term survival of hatchery reared bonytail and razorback suckers exposed to large predators	Gordon Mueller, Jeanette Carpenter	39900	34125	34650	35175	0
05-R2-06	7.18	Central	FORT	Yes	Bird migration patterns in the arid Southwest	Janet Ruth	15871	33686	39250	0	0
05-R6-01	7.12	Central	FORT	TA	Synthesis of existing information on meadow jumping mice in the northern Great Plains	Paul Cryan	6978	0	0	0	0

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05-R6-02	7.15	Central	FORT	TA	Distribution survey of meadow jumping mice subspecies in eastern Wyoming, western South Dakota, and southeastern Montana	Paul Cryan, Jerry Godbey	46965	70836	74198	0	0
05-R9-02		Central	FORT	No	Using genetic tools to obtain insight into colony dynamics of the endangered Indiana bat (<i>Myotis sodalis</i>)	Thomas O'Shea	55119	55119	45788	0	0
01-R6-07	10.7	Central	NPWRC	Yes	Grassland easements/wind generators	Douglas Johnson	72500	74000	0	0	0
03-R3-04	10.2	Central	NPWRC	Yes	Canada lynx ecology in Minnesota.	L. David Mech	33300	0	0	0	0
04-R3-06	10.8	Central	NPWRC	Yes	Evaluating critical management assumptions to guide habitat restoration and protection strategies in the tallgrass portion of the U.S. prairie pothole region	Marsha Sovada	51135	0	0	0	0
04-R6-01	10.9	Central	NPWRC	Yes	Effects of grazing regimes on distribution and abundance of grassland birds at Valentine National Wildlife Refuge	Pam Pietz	34894	36160	0	0	0
05-R6-03	10.10	Central	NPWRC	Yes	Post harvest management of agricultural fields in Nebraska's Platte River Valley: Influence on waste corn availability and migratory bird use	Mark Sherfy	44079	40666	34007	0	0
04-R6-03	18.2	Central	NRMSC	Yes	Evaluation of source-sink dynamics in Yellowstone grizzly bears	Chuck Schwartz	37357	0	0	0	0
05-R6-05	18.3	Central	NRMSC	Yes	Evaluation of montane wetland management: can we improve waterbird fitness through habitat management?	Richard Sojda	10763	10894	11104	11288	0
04-R2-03	8.3	Central	NWRC	Yes	Using prescribed fire to reduce the risk of catastrophic wildfire for habitat of the endangered golden-checked warbler at the wildland-urban interface.	Jim Grace	70987	67380	86091	68741	0
04-R2-04	8.4	Central	NWRC	Yes	Population genetics of endangered plant species in the lower Rio Grande corridor	Steve Travis	46220	28860	0	0	0
05-R2-02	8.6	Central	NWRC	Yes	Effects of prescribed burning on marsh elevation change and the risk of wetland loss	Karen McKee	40217	36766	36996	36199	0
05-R4-01	8.5	Central	NWRC	TA	Ecoregional Science and Technology Support (ESTS) – Lower Mississippi Valley – Phase I.	Helen Whiffen, Larry Handley	50000	55000	60000	0	0
05-R4-02	15.5	Central	WRD	Yes	Collection of Hydrologic Information to Delineate the Extent of Local Water Recharge to Selected Caves in the Ozark Plateaus of Arkansas and Oklahoma	Dave Freiwald, Arkansas Water District	25000	25000	25000	0	0
02-R4-08	14.16	CRU	CRU	Yes	The development of a decision support tool and procedures for evaluating dam operation in the Southeastern United States	Elise Irwin, Alabama Coop Unit	65000	0	0	0	0
03-R1-05	14.5	CRU	CRU	Yes	Distribution, demography, and behavior of Washington ground squirrels (<i>Spermophilus washingtoni</i>) in Central Washington.	Paul Sherman	12450	18590	19690	19690	19910
03-R2-01	14.22	CRU	CRU	Yes	Effects of fire on Yuma clapper rails and California black rails.	Courtney J. Conway	25000	0	0	0	0
03-R2-05	14.25	CRU	CRU	Yes	Ecology of mountain lions in a priority recovery area for the endangered desert bighorn sheep: San Andreas National Wildlife Refuge.	Louis C. Bender	25000	36500	25000	0	0
03-R4-02	14.26	CRU	CRU	Yes	Longleaf systems and carbon sequestration.	Barry Grand	45000	45000	0	0	0

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03-R4-03	14.27	CRU	CRU	Yes	Augment and expand existing endangered and species of concern mussel populations in the upper Tennessee and Cumberland River systems, Tennessee.	Dick Neves	35000	35000	0	0	0
03-R5-06	14.29	CRU	CRU	Yes	Population dynamics of the Indiana bat (<i>Myotis sodalis</i>) in the Champlain Valley, VT and NY.	Therese Donovan	12650	0	0	0	0
03-R5-08	14.30	CRU	CRU	Yes	Freshwater mussel survey of Copper Creek, Virginia, and propagation of the federally endangered Purple Bean (<i>Villosa perpurpurea</i>).	Dick Neves	27485	0	0	0	0
03-R6-02	7.9	CRU	CRU	Yes	Develop Long-billed curlew (<i>Numenius americanus</i>) rangewide monitoring guidelines.	Thomas Stanley, Susan Skagen, Roland Redmond	62000	0	0	0	0
03-R6-07	14.32	CRU	CRU	Yes	Status survey of mussels at Marais des Cygnes National Wildlife Refuge.	Charles Rabeni	11000	0	0	0	0
04-R1-02	14.37	CRU	CRU	Yes	Development and application of a habitat distribution and selection model for identifying potential reintroduction sites for pygmy rabbits	Robert Anthony	30000	30000	0	0	0
04-R3-10	14.40	CRU	CRU	Yes	Monitoring of fish movements patterns following modification of tow streambed grade control structures in Turkey Creek, Cass County, Iowa	Clay Pierce	27700	0	0	0	0
04-R4-02	14.39	CRU	CRU	Yes	Effects of sediment toxicity from coal mining on endangered mussel populations in the Upper Tennessee and Cumberland river drainages	Richard Neves	50000	50000	0	0	0
04-R4-04	14.38	CRU	CRU	Yes	Dynamic models of shorebird migration and their application to shorebird conservation in the Southeastern United States: an adaptive management framework	Jaime Collazo	51000	0	0	0	0
04-R5-04	14.31	CRU	CRU	Yes	Predicting responses of snowshoe hares and Canada lynx to alternative forest harvesting scenarios across multiple spatial scales in Northern Maine	William Krohn	27278	20640	0	0	0
04-R6-02	14.35	CRU	CRU	Yes	Evaluation and action plan for protection of 15 threatened adfluvial populations of bull trout in Glacier National Park, Montana	Chris Guy	37105	36123	0	0	0
04-R6-04	14.45	CRU	CRU	Yes	Effects of incidental takings on the population viability of Great Plains piping plover	Mark Ryan	24701	22725	23778	5671	0
04-R6-05	14.42	CRU	CRU	Yes	The temporal and spatial distribution of RMP sandhill cranes in response to habitat conditions determined by climate, geomorphology, and land use on public and private lands along an intermountain corridor	Chuck Berry	65000	55000	30000	0	0
04-R7-04	14.43	CRU	CRU	Yes	Over-winter adult mortality on the Porcupine caribou herd during a population decline	Brad Griffith	29000	29000	0	0	0
04-R9-02	14.28	CRU	CRU	Yes	Pilot reward banding study of mourning doves	Dave Otis	24900	0	0	0	0
05-R1-06	14.49	CRU	CRU	Yes	Exploring Feasibility of Proposed Control Strategies for New Zealand Mud Snails at Fish Hatcheries	Christine Moffitt	21606	0	0	0	0
05-R1-16		CRU	CRU	Yes	Determination of the subspecies status of the Palm Springs round-tailed ground squirrel: Implications for conservation and listing	Charles Berry, Jr.	24156	20807	0	0	0

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05-R2-04	14.51	CRU	CRU	Yes	Reproductive ecology, behavior, and dietary studies of a captive herd of Sonoran Pronghorn on the Cabeza Prieta NWR	Scott Bonar, Paul Krausman	23475	8725	0	0	0
05-R3-03	14.52	CRU	CRU	Yes	Estimation and evaluation of demographic parameters required for the recovery of the endangered Great Lakes Piping Plover population	David Andersen, Francesca Cuthbert	26125	0	0	0	0
05-R3-04	14.55	CRU	CRU	Yes	Habitat use of post-fledging forest nesting songbirds in the northern hardwood-coniferous forests in Northern MN	David Andersen	20926	48381	50161	30761	0
05-R4-03	14.54	CRU	CRU	Yes	Sampling Vulnerability of Invasive Freshwater Fishes: Snakeheads and Flathead Catfish.	Tom Kwak, Mike Holliman	10000	0	0	0	0
05-R4-04	14.53	CRU	CRU	Yes	Habitat Characterization and Distribution Surveys for Chucky Madtom (Noturus elegans) in Tributaries to Little Chucky Creek.	James Layzer	10000	0	0	0	0
05-R5-02	14.46	CRU	CRU	Yes	Status Review and Conservation of Blanding's Turtles in New England	Paul Sievert, Malcolm Hunter	32397	28566	0	0	0
05-R5-03	14.47	CRU	CRU	Yes	Feeding Regimes for Maintaining a Suite of Endangered Freshwater Mussels in Hatchery Settings	Richard Neves	31655	31206	0	0	0
05-R5-05	14.48	CRU	CRU	Yes	Using Adult Sea lampreys to Investigate Potential Alternative Methods of Controlling Population Abundance	Donna Parrish	30411	27345	0	0	0
05-R6-04	14.50	CRU	CRU	Yes	Freshwater mussels at Marais Des Cygnes NWR: Sediment load, microhabitat, minimum in-stream flows	Charles Rabeni	25300	20900	11000	0	0
05-R6-08	14.56	CRU	CRU	Yes	Life history requirements of sauger in the Wind River drainage upstream from Boysen Reservoir, Wyoming - Phase III	Wayne Hubert	18999	0	0	0	0
02-R4-07	5.2	Eastern	FISC	Yes	Current distribution and control of the invasive Old World climbing fern on the Arthur R. Marshall Loxahatchee NWR and in the South Florida ecosystem	Donald L. DeAngelis	57000	0	0	0	0
05-R4-08		Eastern	FISC	No	Altered habitat of endangered or threatened freshwater mussels in the Apalachicola River floodplain, Florida, due to changes in river channel morphology and discharge.	Helen Light	9500	0	0	0	0
05-R9-05	5.4	Eastern	FISC	TA	Adaptive habitat management for Florida scrub jays at Merritt Island National Wildlife Refuge.	Bob Dorazio	58275	58039	0	0	0
05-R4-07	21.1	Eastern	GD	Yes	Paleoecology of tree islands in Arthur R. Marshall Loxahatchee NWR: understanding fire and water cycles in the context of current and future water management.	Debra Willard	9000	0	0	0	0
05-R1-05		Eastern	GLSC	No	Biochemical Approaches for Age Determination in larval Lampreys - A Feasibility Study	Roger Bergstedt, Rodger Harvey and Se-Jong Ju	16497	3349	0	0	0
05-R3-02	17.4	Eastern	GLSC	TA	The critical role of hydrology in coastal wetland habitat restoration and management	Kurt Kowalski	23500	0	0	0	0
03-R5-07	2.2	Eastern	LSC	Yes	Bay-wide tagging study to assess spawning migration and population size of horseshoe crabs in Delaware Bay.	David R. Smith	86932	0	0	0	0

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04-R5-02	2.8	Eastern	LSC	Yes	Development of a computer program to identify genetically optimal matings for broodstock management	Ben Letcher	10816	0	0	0	0
04-R5-05	2.6	Eastern	LSC	Yes	Imperiled Freshwater Mussels: the need for research to prevent the introduction and transmission of pathogens and diseases	Clifford Starliper	16200	0	0	0	0
04-R5-06	2.1	Eastern	LSC	Yes	Acid and Aluminum impacts on Atlantic salmon smolt survival	Stephen D. McCormick	21000	0	0	0	0
05-R9-01		Eastern	LSC	No	Application of calcein as dietary component for fish marking to enhance product evaluation and management capabilities	Dale Honeyfield	46450	46450	45200	0	0
05-R9-04	2.7	Eastern	LSC	Yes	Demographic assessment of three key native plants in International trade in five Eastern States	John Young	35000	0	0	0	0
01-R5-08	3.2	Eastern	PWRC	Yes	Ecosystem response of salt marshes to Open Marsh Water Management (OMWM) and ditch plugging: Monitoring at FWS Region 5 coastal Refuges	M. Perry, R. M. Erwin, W. Kendall, G. Guntenspergen, and D. Cahoon	35000	0	0	0	0
03-R5-05	3.16	Eastern	PWRC	Yes	Recreational impacts on shorebird use of National Wildlife Refuge beach fronts during the southward migration.	William Kendall	21580	0	0	0	0
04-R1-05	3.11	Eastern	PWRC	Yes	Biological data management for the National Wildlife Refuge System	Bruce Peterjohn, Sam Droege	95000	75000	0	0	0
04-R3-09	3.14	Eastern	PWRC	Yes	Improved training and production of whooping crane chicks for the Whooping Crane Eastern Partnership at the Patuxent Wildlife Research Center	John French	11400	0	0	0	0
04-R9-05	3.13	Eastern	PWRC	Yes	Bald eagle post-delisting monitoring study design	John Sauer	99200	0	0	0	0
05-R2-03	3.18	Eastern	PWRC	Yes	Estimating detection probabilities of golden-cheeked warblers	Jeff Hatfield, Floyd Weckerly	26975	47284	705	0	0
05-R4-05		Eastern	PWRC	No	Estimating survival of breeding birds in a bottomland hardwood forest.	Daniel Twedt	10000	0	0	0	0
05-R4-06	3.19	Eastern	PWRC	Yes	Aerial transect surveys to compare abundance of mallards in the Mississippi Alluvial Valley (MAV) between winters 1988-1990 and the present.	Kenneth Reinecke	9000	0	0	0	0
05-R5-01	3.20	Eastern	PWRC	Yes	Bird and Bat Migration Over Appalachian Ridges in the Mid-Atlantic Region	Deanna Dawson	82400	82400	82400	0	0
05-R5-04	3.17	Eastern	PWRC	TA	Marsh Elevation Dynamics at Blackwater NWR Using Surface Elevation Tables	Donald Cahoon	10000	0	0	0	0
05-R9-06		Eastern	PWRC	No	Evaluation of sampling methods for the use of digital aerial imagery in estimation of abundance of selected migratory bird aggregations	Bill Kendall	10000	0	0	0	0
05-R9-07		Eastern	PWRC	No	Development of a methodological framework for ecoregional scale landbird conservation planning in the forested avifaunal biomes of the United States	Dan Twedt	37225	180508	158000	0	0
03-R3-11	6.2	Eastern	UMESC	Yes	Improving electrofishing methods used to assess and sample lake sturgeon populations	Mark P. Gaiowski	35000	0	0	0	0
04-R3-03	6.5	Eastern	UMESC	Yes	Maps, models, and tools for conservation planning: focus on the cerulean warbler	Melinda Knutson	107696	88112	0	0	0

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04-R3-08	6.6	Eastern	UMESC	Yes	Safety of fish therapeutants to mussel glochidia attached to fish gills	Jeff Rach	16640	0	0	0	0
05-R3-01		Eastern	UMESC	No	Elimination of Renibacterium salmoninarum, the causative agent of bacterial kidney disease, from Lake Trout eggs and juveniles	Mark Gaikowski	33414	50061	0	0	0
03-R4-01	15.3	Eastern	WRD	Yes	Provide field assistance for the reintroduction, augmentation, and expansion of listed and species of concern mussels populations in the Tennessee and Cumberland Rivers and the Mobile Basin.	Steve Ahlstedt, Dick Neves	25000	0	0	0	0
01-R7-01	13.10	Western	ASC	Yes	Update Information on Southern Beaufort Sea Polar Bear Populations	Steven C. Amstrup	183000	25000	0	0	0
04-R7-01	13.11	Western	ASC	Yes	Population Health Variables in the Kodiak Archipelago, Alaska (Formerly: Sea otters in peril: comparing life history and population health variables pre- and post decline in the Kodiak Archipelago)	James Bodkin, Daniel Monson	83450	115310	0	0	0
04-R7-03	13.12	Western	ASC	Yes	Estimating regional and statewide trends in the size of breeding populations of landbirds in Alaska from 1993-2002	Coleen Handel	16120	0	0	0	0
04-R7-05	13.8	Western	ASC	Yes	Winter distribution and ecology of Vancouver Canada geese	Jerry Hupp	21420	21420	0	0	0
05-R7-01	13.14	Western	ASC	TA	Synthesis of seabird, marine mammal, and oceanography coordinated investigations (SMMOCI)	John Piatt	42100	39500	0	0	0
05-R7-02	13.9	Western	ASC	Yes	The decline of the Chisana Caribou Herd: Assessing population dynamics and recovery effects	Layne Adams	17360	31800	15540	0	0
05-R1-01	4.425	Western	FRESC	Yes	Definition of Genetic Conservation units in Western Snowy Plovers	Susan Haig	22365	0	0	0	0
05-R1-03	4.464	Western	FRESC	TA	Monitoring habitat use and associations of Shrubsteppe Bird communities and their response to habitat management	Susan Earnst	26194	26194	0	0	0
05-R1-04		Western	FRESC	No	Thresholds of Recovery - Cheatgrass dominance in Wyoming big sagebrush communities after fire and fire surrogate treatments	Cindy Salo	20410	15955	12608	0	0
05-R1-07	4.517	Western	FRESC	TA	Black Oystercatcher status on the Pacific Coast and Long-term Monitoring Plan	Susan Haig	3790	0	0	0	0
05-R1-08	4.493	Western	FRESC	No	Assessment of Potential Limiting Factors for Translocation of Endangered Mariana Swiftlets from Saipan to Rota	Susan Haig	9984	0	0	0	0
05-R1-15	4.441	Western	FRESC	Yes	Status of Nesting California Brown Pelicans, Cormorants, and Osprey in Coastal Baja California, Sonora, and Sinaloa, Mexico, 1977, 1992-93, and 2005	Charles Henny	41288	16328	0	0	0
05-R9-03	4.499	Western	FRESC	TA	Coordination of the 2006 International piping and snowy plover census and evaluation of census based population estimates	Sue Haig	31986	16773	0	0	0

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04-R1-04		Western	External	Yes	Winter tolerance to cold hypoxia by Oregon spotted frogs, cascade frogs, and bullfrogs	Jay Bowerman	3910	0	0	0	0
05-R1-09	16.5	Western	PIERC	Yes	Independent Measures for Assessing Accuracy of PCR Diagnostic Tests for Malaria in Hawaiian Birds	Carter Atkinson	6405	0	0	0	0
05-R1-10	16.4	Western	PIERC	TA	Efficacy of Feral Pigs Removals at Hakalau National Wildlife Refuge	Steven Hess	24640	11984	0	0	0
05-R6-07	20.1	Western	SBSC	TA	Development of a Monitoring Protocol for Columbia Spotted Frog <i>Rana luteiventris</i>	Tim Graham	14793	0	0	0	0
03-R1-09	12.4	Western	WERC	Yes	Science support of wetlands restoration of salt ponds in San Francisco Bay.	Keith Miles, John Takekawa	65000	0	0	0	0
03-R1-10	12.5	Western	WERC	Yes	Survival and causes of mortality of Sage Grouse in Mono County, California.	Michael Casazza, Joseph Fleskes, Michael R. Miller	25500	0	0	0	0
05-R1-14	12.1	Western	WERC	Yes	Movement and Foraging Patterns of Sea Otters at San Nicolas Island	Jim Estes	23500	0	0	0	0
05-R1-11	11.6	Western	WFRC	No	Population Estimate and Habitat Assessment for the Endangered Clover Valley Speckled Dace	Gary Scoppettone	18816	0	0	0	0
05-R1-12	11.7	Western	WFRC	No	Habitat Assessment and Determination of Distribution and Abundance of the Threatened Railroad Valley Springfish	Gary Scoppettone	26990	0	0	0	0