

FY 2011 Base Evaluation Monitoring Projects

Proposal No.	Title	Principal Investigator	Year	FY 2011 Allocation	Unit-Fundcode
INT-EM-B-10-01	White pine blister rust in the Southwest: Monitoring the health of southwestern white pine	Dr. Kristen Waring - Northern Arizona	2 of 3	\$56,000	R3-SPFH
INT-EM-B-10-03	The influence of mountain pine beetle outbreaks on carbon and nitrogen cycling in lodgepole pine ecosystems	Matt Hansen, USFS-RMS	2 of 3	\$20,000	RMS-SPFH
INT-EM-B-10-04	Rapid aspen decline on the southwestern edge of its range	Margaret M. Moore - NAU	2 of 2	\$26,000	R3-SPFH
INT-EM-B-11-01	Assessing Limber Pine Stand Conditions after Mountain Pine Beetle Outbreaks	K. S. Burns - R2	1 of 3	\$65,000	R2-SPFH
INT-EM-B-11-03	Monitoring walnut health and decline in response to thousand cankers disease and infestation by the walnut twig beetle, <i>Pityophthorus juglandis</i> , in southern California and New Mexico	Graves - R3 FHP	1 of 2	\$36,000	R3-SPFH
INT-Regional				\$30,000	R2-SPFH
NC-EM-09-02	Assessment of Beech Bark Disease in Michigan: Rate of Spread and Impacts on Stand Composition and Down Woody Material	Deborah G. McCullough, MSU	3 of 3	\$47,000	NA-SPCH
NC-EM-B-10-01	Distribution and intensification of bur oak blight in Iowa and the Midwest	Tom Harrington, ISU	2 of 3	\$50,000	NA-SPS5
NC-EM-B-10-02	Sugar maple dieback in the upper great lakes region	Andrew Storer, MTU	2 of 3	\$60,000	NA-SPCH
NC-EM-B-11-01	Beech Bark Disease Monitoring in Wisconsin: Establishment of a Beech Bark Disease Monitoring & Impact Assessment System (BBDMIAS)	Petrillo - Univ WI	1 of 2	\$25,000	NA-SPS5

NC-EM-B-11-03	Evaluation and monitoring of ash trees tolerant to long-term exposure to emerald ash borer	Storer - MI Tech	1 of 2	\$56,000	NA-SPCH
NC-Regional				\$30,000	NA-SPFH
NE-EM-B-10-01	Investigating Causes of Mortality in Vermont and Adjacent States	Robert DeGues, VT Dept. For.	2 of 3	\$17,000	NA-SPFH
NE-EM-B-10-03	The role of <i>Phytophthora cinnamomi</i> in recent oak mortalities in northeastern	Yilmaz Balci, Univ of MD	2 of 3	\$50,000	NA-SPCH
NE-EM-B-11-01	Multi-state beech bark disease (BBD) survey & beech scale resistance	Gladders - DE State Forestry	1 of 1	\$20,000	NA-SPCH
NE-EM-B-11-03	Survey for Beech Bark Disease Resistant American Beech Trees (on the Hiawatha and Monangahela National Forests)	Koch-NRS	1 of 3	\$43,000	NRS-SPFH
NE-Regional				\$30,000	NA-SPCH
SO-EM-09-01	Assessing Forest Tree Risk of Extinction and Genetic Degradation from Climate Change	Bill Hargrove, SRS	3 of 3	\$33,000	SRS-SPFH
SO-R-09-01	Yellow Birch in the Southern Appalachians as an Indicator of Acidified Soils and Forest Susceptibility to Climate Change and Other Regional Stressors	Ken Stolte, SRS	3 of 3	\$38,000	SRS-SPFH
SO-EM-B-11-01	Thousand Cankers Disease in Tennessee: For How Long?	Randolph, Oswald, Rose, USFS-SRS-FIA	1 of 1	\$9,000	SRS-SPFH
SO-Regional				\$30,000	R8-SPFH
WC-EM-09-02	Monitoring Mountain Pine Beetle Life Cycle Timing and Phloem Temperatures at Multiple Elevations and Latitudes in California	Barbara Bentz, RMS	3 of 3	\$21,000	RMS-SPFH
WC-EM-B-10-01	Alder (<i>Alnus tenuifolia</i>) Mortality Agent Complex Effects on Riparian Zone Habitat,	Jim Kruse, FHP R10	2 of 2	\$20,000	R10-SPFH

WC-EM-B-11-01	Impacts of Swiss Needle Cast in the Cascade Mountains of Northern Oregon: Monitoring of Permanent Plots after Ten Years	Filip- FHP R6	1 of 1	\$33,000	R6-SPFH
WO-Regional				\$30,000	R6-SPFH
Total				\$875,000	

FY 2011 Fire Evaluation Monitoring Projects

Proposal No.	Title	Principal Investigator	Year	FY 2011 Request	Unit-Fundcode
INT-EM-F-10-01	Development of a monitoring program to detect and predict pandora moth outbreaks in northern Arizona	Joel McMillin, FHP R3	2 of 3	\$24,000	R3-SPS4
INT-EM-F-10-02	Fuel and Fire Behavior in High Elevation Five Needle Pines Affected by Mountain Pine Beetle	Michael Jenkins, Utah State University	2 of 3	\$32,000	R4-SPS4
INT-EM-F-10-03	Quantifying the short- and long-term impacts of mountain pine beetle (MPB) outbreaks on forest conditions in the Intermountain West	Chris Fettig, PSWRS	2 of 3	\$43,000	PSW-SPS4
INT-EM-F-11-01	Monitoring Riparian Forests in Mountain Pine Beetle Infested Watersheds	K. Dwire (RMRS)	1 of 2	\$38,000	RMRS-SPS4
INT-EM-F-11-02	Reburns: Their impact on Woody Debris, Carbon Storage, Soil Productivity and Vegetative Response - A Window into Future Climate Change Effects	D. S. P-Dumroese (RMRS)	1 of 2	\$37,000	RMRS-SPS4
INT-EM-F-11-03	Landscape scale monitoring to assess changes in wildland fuels and simulated fire behavior associated with mountain pine beetle tree mortality	Keane - RMRS	1 of 2	\$75,000	RMRS-SPS4
INT-EM-F-11-04	IMPACTS OF MANAGEMENT FOLLOWING BARK BEETLE OUTBREAKS ON FUELS AND PREDICTED FIRE BEHAVIOR UNDER VARYING CLIMATE	Allen - R2 FHP	1 of 3	\$28,000	R2-SPS4

NC-F-09-02	Impact of climate change-induced drought and temperature stress on oak decline/mortality, fuel build-up and fire risk in the Ozarks: Developing a prospective oak decline/mortality and fuel model based on retrospective analyses of the USFS FIA/FHM plots and NOAA historical climate data in the Ozark Plateau	W. Keith Moser, Zhaofei Fan, Mark H. Hansen, Stephen R. Shifley	3 of 3	\$30,000	NRS-SPS5
NC-EM-F-11-01	Determining the extent and severity of Ailanthus, an invasive tree affecting Oak Forest Restoration in Appalachia Ohio.	Coon-Wayne NF	1 of 2	\$35,000	NRS-SPS5
SO-EM-F-10-01	Impact of Climate Change on Forest Health in the Southeast US: Constructing a Hierarchical Framework to Integrate Downscaled NASA's Climate Data, MODIS' NDVI and FIA/FHM Plots to Quantify and Forecast the Responses of Health Indicators to Climate and Environmental Stresses at Multiple Levels	Martin Spetich, SRS, Zhaofei Fang, Miss. State Univ.	2 of 3	\$60,000	SRS-SPS5
WC-F-09-01	Long-term Monitoring of White Pine Blister Rust Infection and Survival at 10 Sugar Pine Evaluation Sites	Jerry Hill, Rich Sniezko DGRC, Ellen Goheen FHP R6	3 of 3	\$3,000	R6-SPS5
WC-EM-F-10-01	Monitoring oak health and decline before and after infestation by the goldspotted oak borer (GSOB), Agrilus coxalis	Tom Coleman, FHP R5, Nancy Grulke, Steve Seybold, PSWRS	2 of 2	\$35,000	R5-SPS5
WC-EM-F-11-01	Southern California Bark Beetle Impacts - assessing the aftermath of the 2003-2005 mortality events	Ramirez - USDA RSL	1 of 2	\$62,000	R5-SPS5
WC-EM-F-11-02	Evaluating the resiliency of ponderosa pine forests to bark beetle infestations a decade following fuel reduction treatments	Fettig - PSW	1 of 2	\$32,000	PSW-SPS4
Total				\$534,000	

Evaluation Monitoring 2011

Receiving Unit	SPFH	SPCH	SPS4	SPS5	Total
R1-FHP					\$0
R2-FHP	\$95,000		\$28,000		\$123,000
R3-FHP	\$118,000		\$24,000		\$142,000
R4-FHP			\$32,000		\$32,000
R5-FHP				\$97,000	\$97,000
R6-FHP	\$63,000			\$3,000	\$66,000
R8-FHP	\$30,000				\$30,000
R10-FHP	\$20,000				\$20,000
NA-FHP	\$47,000	\$263,000		\$75,000	\$385,000
NRS	\$43,000			\$65,000	\$108,000
PNW					\$0
PSW			\$75,000		\$75,000
RMS	\$41,000		\$150,000		\$191,000
SRS	\$80,000			\$60,000	\$140,000
Total	\$537,000	\$263,000	\$309,000	\$300,000	\$1,409,000