

**FY 2009 Base Evaluation Monitoring Funded Projects**

<b>Proposal No.</b>	<b>Title</b>	<b>Investigator</b>	<b>Year</b>	<b>FY 09 Allocation</b>	<b>Unit - Fund Code</b>
INT-EM-07-01	Recent, Rapid, Severe Aspen Mortality in the Rocky Mountain Region (Worrall)	Jim Worrall, FHP R2	3 of 3	\$42,000	R2 - SPFH
INT-EM-07-04	The Effects of Silvicultural Manipulations On Spruce Beetle Populations (Eager)	Tom Eager, Roy Mask, FHP R2	3 of 3	\$33,000	R2 - SPFH
INT-EM-08-01	Aspen Mortality in the Rocky Mountain Region: Extent, Severity, and Causal Factors	Kurt Allen, Jim Blodgett, Kelly Burns, FHP R2,	2 of 3	\$52,000	R2 - SPFH
INT-EM-08-02	Whitebark Pine Stand Conditions after Mountain Pine Beetle Outbreaks	John Schwandt, Sandy Kegley, FHP R1	2 of 2	\$41,000	R1 - SPFH
INT	Regional projects			\$30,000	R3 - SPFH
NC-EM-07-01	Assessment and etiology of hickory ( <i>Carya</i> spp.) decline in the mid-west and northeastern regions	Jennifer Juzwik, NRS	3 of 3	\$34,500	NRS - SPCH
NC-EM-08-02	Incidence and distribution of bacterial leaf scorch of hardwoods in the north central and plains states	Gerard Adams, Michigan State University	2 of 2	\$33,000	NA - SPCH
NC-EM-09-03	Drought-related mortality and growth decline in aspen forests	John Bradford NRS, Dan Kashian Wayne State	1 of 2	\$45,000	NRS - 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	1 of 3	\$47,000	NA - SPCH
NC	Regional projects			\$30,000	NA - SPCH
NE-EM-08-01	Incidence and Distribution of Bacterial Leaf Scorch of Shade Trees in the Northeastern United States	Ann Gould, Rutgers U.	2 of 2	\$30,000	NA - SPCH
NE-EM-09-02	Landscape patterns of white ash ( <i>Fraxinus americana</i> ) health in the Allegheny Plateau Region	Alejandro Royo and Kathlene Knight, NRS	1 of 2	\$34,500	NRS - SPCH
NE	Regional projects			\$30,000	NA - SPCH
SO-EM-08-02	Evaluation of Mortality in Redbay, Sassafras and Related Plants in Georgia	James Johnson, GA For. Com.	2 of 2	\$25,000	R8 - SPCH
SO-EM-09-01	Assessing Forest Tree Risk of Extinction and Genetic Degradation from Climate Change	Bill Hargrove, SRS	1 of 3	\$30,000	SRS - SPFH
SO	Regional projects			\$30,000	SRS - SPFH
WC-EM-07-05	Improving the interpretation of lichen biomonitoring for nitric acid and ozone air pollution in the detection monitoring program	Pamela Padget, PSW	3 of 3	\$31,000	PSW - SPFH
WC-EM-08-03	Assessing mortality and regeneration of larch* ( <i>Larix laricina</i> ) after a 1999-2004 landscape level outbreak of the larch sawfly ( <i>Pristiphora erichsonii</i> ) in Alaska.	Roger Burnside, AK DNR	2 of 2	\$15,000	R10 - SPFH
WC-EM-09-01	How Climate Shapes Yellow-cedar in Alaska: Use of Inventory Plots to Evaluate Broad-Scale Occurrence, Cedar Decline, and Migration	Paul Hennon, FHP, R10	1 of 2	\$15,000	R10 - 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	1 of 3	\$42,000	RMS - SPFH
WC	Regional projects			\$30,000	R6 - SPFH
<b>Total</b>				<b>\$700,000</b>	

**FY 2009 Fire Evaluation Monitoring Funded Projects**

<b>Proposal No.</b>	<b>Title</b>	<b>Investigator</b>	<b>Year</b>	<b>FY09 Allocation</b>	<b>Unit - Fund Code</b>
INT-F-07-02	Bugs & Burns: Effects of Fire on Ponderosa Pine Bark Beetle (DeGomez)	Tom Degomez, U or AZ	3 of 3	\$37,000	R3 - SPS5
INT-F-08-01	Evaluating and Monitoring Mountain Pine Beetle Infestation in Fire-Damaged Ponderosa and Lodgepole Pine Stands.	Darren Blackford, FHP R4	2 of 3	\$32,000	R4 - SPS4
INT-F-08-02	Pinaleño LiDAR: Evaluating forest landscape and health factors and their relationship to habitat of an endangered red squirrel	Craig Wilcox, Coronado NF, John Anhold, FHP R3	2 of 2	\$35,000	R3 - SPS4
INT-F-09-01	Bark Beetle Outbreaks in Ponderosa Pine and Douglas-fir Forests: Implications for Fuels, Fire, and Management Under Different Climate Scenarios	Carolyn Seig, RMS	1 of 2	\$32,000	R2 - SPS4
INT-F-09-02	Estimating Mass of Down Woody Materials in the Western United States by Linking Two Phases of Forest Inventory and Analysis (FIA) Data	Stephen Prisley, VTU	1 of 1	\$62,000	R2 - SPS4
NC-F-07-1	Assessing indicator sensitivity for monitoring the effects of fire and species reintroductions on soils and plant communities during intensive restoration of oak savannas in Central Iowa	Lars Brudvig, ISU	3 of 3	\$30,000	NA - SPS5
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	1 of 3	\$22,000	NRS - SPS5
NE-F-08-01	Interactions among gypsy moth, wildfire, forest health management, and climate change	John Hom, USFS, Northern Global Climate Change Program	2 of 2	\$48,000	NRS - SPS5
SO-F-09-03	Fuel Dynamics in Southern Pine Beetle Killed Stands and its Implication to Fire Behavior	Geoff Wang, Clemson U.	1 of 3	\$60,000	R8 - SPS5
WC-F-08-01	Monitoring invasive bark and woodboring beetles in periurban forests following wildfire	Steve Seybold, USFS PSW	2 of 2	\$38,000	PSW - SPS4
WC-F-08-02	Natural and anthropogenic threats to California's endemic foxtail pine (Pinus balfouriana)	Joan Dunlap, USFS R5	2 of 2	\$13,000	R5 - SPS4
WC-F-08-03	Monitoring Survival of Fire-injured Trees in Oregon and Washington	Robert Progar, USFS PNW	2 of 3	\$50,000	PNW - SPS4
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	1 of 3	\$23,000	R6 - SPS4
WC-F-09-02	Testing a new satellite-image analysis technique to monitor pest related-, fire-, and postfire-mortality in the Northwest Forest Plan area of Oregon	Warren Cohen, PNW	1 of 2	\$40,000	PNW - SPS4
<b>Total</b>				<b>\$522,000</b>	

### Evaluation Monitoring 2009

Receiving Unit	SPFH	SPCH	SPS4	SPS5	Total
R1-FHP	\$41,000				<b>\$41,000</b>
R2-FHP	\$127,000		\$94,000		<b>\$221,000</b>
R3-FHP	\$30,000		\$35,000	\$37,000	<b>\$102,000</b>
R4-FHP			\$32,000		<b>\$32,000</b>
R5-FHP			\$13,000		<b>\$13,000</b>
R6-FHP	\$30,000		\$23,000		<b>\$53,000</b>
R8-FHP		\$25,000		\$60,000	<b>\$85,000</b>
R10-FHP	\$30,000				<b>\$30,000</b>
NA-FHP		\$170,000		\$30,000	<b>\$200,000</b>
NRS	\$45,000	\$69,000		\$70,000	<b>\$184,000</b>
PNW			\$90,000		<b>\$90,000</b>
PSW	\$31,000		\$38,000		<b>\$69,000</b>
RMS	\$42,000				<b>\$42,000</b>
SRS	\$60,000				<b>\$60,000</b>
<b>Total</b>	<b>\$436,000</b>	<b>\$264,000</b>	<b>\$325,000</b>	<b>\$197,000</b>	<b>\$1,222,000</b>