

FY 2010 Fire Evaluation Monitoring Projects

Proposal No.	Title	Investigator	Year	FY 10 Allocation	UNIT - FUND CODE
INT-F-08-01	Evaluating and Monitoring Mountain Pine Beetle Infestation in Fire-Damaged Ponderosa and Lodgepole Pine Stands.	Darren Blackford, FHP R4	3 of 3	\$36,000	R4 - 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	2 of 2	\$34,000	RMS - SPS4
INT-EM-F-10-01	Development of a monitoring program to detect and predict pandora moth outbreaks in northern Arizona	Ryan Hanavan, FHP R3	1 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	1 of 2	\$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	1 of 3	\$50,000	PSW - 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	2 of 3	\$21,000	NRS - SPS5
NC-EM-F-10-04	The impact of invasive plant species on central hardwood forest ecosystems	Keith Moser, NRS and Songlin Fei, U of Kentucky	1 of 3	\$27,000	NRS - SPS5

SO-F-09-03	Fuel Dynamics in Southern Pine Beetle Killed Stands and its Implication to Fire Behavior	Geoff Wang, Clemson U.	2 of 3	\$48,000	R8 - 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.	1 of 3	\$57,000	SRS - SPS5
WC-F-08-03	Monitoring Survival of Fire-injured Trees in Oregon and Washington	Robert Progar, USFS PNW	3 of 3	\$47,000	PNW - 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	2 of 3	\$21,000	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	2 of 3	\$35,000	PNW - SPS4
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	1 of 2	\$37,000	PSW - SPS4
WC-EM-F-10-02	Elkhorn & Eagle Cap Whitebark Pine Permanent Plot Re-measurements	Victoria Rockwell, Wallowa Whitman NF	1 of 1	\$31,000	R6 - SPS4
Total				\$500,000	