

Integrated Decision Support for Cost Effective Fuel Treatments Under Multiple Resource Goals

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Annual Accomplishments Update (October 1, 2008-September 30, 2009)[†]:

The research joint venture agreement to make funds for this project available to the University of Montana collaborators was begun early in July and was fully executed on August 22, 2009. Work has begun on developing an interface between WEPP (Water Erosion Prediction Project) and [OptFuels](#) (a new version of MAGIS designed for fuel treatment analysis). Thus far this work has concentrated on the data needed by FS WEPP, how to provide those data at landscape scales, and alternative designs for interfacing FS WEPP or the output from FS WEPP with OptFuels. A member of our research team visited the Lake Tahoe Basin in August to assess the fuel conditions across the Basin and potential for fuel treatments to affect water quality.

Progress Report: October 1 to December 31, 2009

The remaining items for data transfer interfaces among the existing models are: 1) We have developed a prototype FS WEPP interface as a separate application that produces data tables for input into MAGIS, but this interface has not been thoroughly tested at this point; and 2) We need to add connections to allow users to easily run FlamMap on post-treatment landscapes developed by the solver.

Several prototype data sets have been developed to test the various interface data entry and transfer processes. Through this process the study team has learned valuable knowledge about preparing data for fire behavior modeling at landscape scales.

[†] This document is an intermediate progress report, not a final report; consequently, any results should be considered preliminary and should not be cited. Please contact the principal investigators or the Tahoe SNPLMA Science Program Coordinator if you have questions.