



Monitoring Trends in Burn Severity (MTBS) Assessing Fires in the Southwestern US

Southwest Fire Ecology Conference

Fire Landscapes, Wildlife, & People

Building Alliances for Restoring Ecosystem Resilience

February 27 – March 1, 2012 Santa Fe, New Mexico

Greetings and thank you for your participation in the workshop!

The objective of this workshop is to provide participants with a greater understanding of the MTBS project and the available geospatial data for characterizing fire effects. This workshop will provide an overview of the MTBS project, fire mapping and assessment protocols, data products, and how to obtain MTBS data and utilize the project website. In addition, participants will learn how to apply MTBS burn severity data to address specific user needs, integrate and analyze these data with local GIS map layers, and how this information can support management decisions. The interpretation, limitations and appropriate application of MTBS data in the context of management decisions will also be discussed. Information will also be provided on current efforts to consolidate and provide access to field validation data by users.

Schedule:

8:00 – 8:15	Workshop and Participant Introductions
8:15 – 9:00	Presentation: MTBS Project Background and Mapping Overview
9:00 – 9:30	Website demonstration: MTBS.gov
9:30 – 9:45	Break
9:45 – 10:15	Presentation: Applications of MTBS Data
10:15 – 11:30	GIS Exercise: Applying MTBS Data to Address Resource Management Issues
11:30 – 12:00	Presentation: Synopsis of MTBS Data Trends for the Southwest

During the GIS Exercise portion of the workshop participants will select one of four exercises to complete using a laptop provided by the workshop. Each exercise was developed to provide hands-on GIS analysis of MTBS burn severity data. It is expected that participants have introductory level experience using ArcGIS software and navigating in a Windows environment. In advance of the workshop, to give you an idea which exercise you may want to select, you'll find a brief description below of each exercise.

1. **Habitat Management:** Assess the impacts of wildfire to threatened or endangered species habitat using MTBS burn severity data
2. **Evaluate Watershed Condition Class:** Assess and update watershed condition classes using 6th level HUCs, LANDFIRE FRCC and MTBS burn severity data
3. **Reforestation Assessment:** Analyze postfire forest restoration needs by performing a GIS summary analysis using LANDFIRE EVT, slope and MTBS burn severity data
4. **Fuels Treatments:** Using MTBS burn severity data and FarSite software, demonstrate fuel treatment effectiveness for several large wildfires in the U.S.

<http://www.mtbs.gov/>