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On the Value of Wildland Fire Behavior Case Studies

Abstract: The preparation of wildland fire behavior studies represents both an opportunity and a challenge to the wildland fire community in the future. While the continuance of basic research into fire fundamentals is essential to gaining a complete understanding of the physical processes involved in wildland fire dynamics, scientific knowledge alone will not be enough. There is still an overriding need to bolster efforts in observing free-burning wildland fire behavior and completing the necessary case study documentation. Such an effort should be regarded as part and parcel of adaptive management. Case study knowledge will prove a useful compliment to fire behavior modeling and experience judgment when it comes to appraising potential wildland fire behavior. This presentation will provide a summary of the authors' feelings on the value of case studies of wildland fire behavior based in part on several articles published in *Fire Management Today* between 2003 and 2010, copies of which are available for downloading from the FRAMES Applied Wildland Fire Behavior Research & Development subject area website (http://frames.nbii.gov/applied_fire_behavior). This presentation is a contribution of Joint Fire Science Program Project JFSP 09-S-03-1; for information on this project visit the project website (<http://www.fs.fed.us/wwetac/projects/alexander.html>). A copy of the powerpoint associated with this presentation will be posted on both of these websites following the conference.

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