

# Synthesizing Knowledge on Crown Fire Behavior in Conifer Forests: **We Could Use Your Help!**

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## What is this project about?

The Joint Fire Science Program (JFSP) is supporting a project aimed at synthesizing the currently available information on crown fire behavior in conifer forests:

- Onset of crowning
- Type of crown fire
- Associated spread rate & fireline intensity
- Other related phenomena (e.g., spotting)

## Got any nagging questions?

We are interested in hearing from you as to your opinions on the subject of crown fires and any specific questions and/or research needs/knowledge gaps or areas in fire behavior training that you would like to see addressed in this crown fire behavior synthesis project.

## Come join our Neighborhood!

Please join our My Fire Community Neighborhood and share your knowledge and ideas with us. If you are not a member of MyFireCommunity.net it is easy to get signed up. Once you're signed up, log in and search for our neighborhood using the "All Neighborhoods" link on the left sidebar; our neighborhood name is "JFSP Crown Fire Synthesis Project". Simply click on the name then click on "Join this neighborhood".



*Active crowning associated with a wildfire spreading through a lodgepole pine stand near the community of Swan Hills, Alberta.  
(Photo by M.E.Alexander)*



*Time series photos from a fire proofed video camera during the Black Mountain II Fire in Montana in 2003. (Photo by AMSET)*

## Got a good story or observation?

We are actively seeking assistance from individuals in the form of field observations of crown fires and related experiences such as:

- Independent crown fire runs
- Specific cases of conditional crown fire activity
- Instances of crown fire cessation
- Cases of long-distance spotting (>2 km) from active crown fires
- What was happening climatically?
- What were the fuel types?
- Was there anything out of the ordinary?
- Did suppression play a role?
- Do you have a picture or video of the observation? What was happening (weather, fuels, etc.)? What about a favorite YouTube video?



*Experimental crown fire -- International Crown Fire Modelling Experiment project in Canada's Northwest Territories.*

*(Photo by M.G. Cruz)*

## Tell us what you "really" think!

We are interested in hearing from you as to your opinions on the subject of crown fires and any specific questions and/or research needs/knowledge gaps or areas in fire behavior training that you would like to see addressed in this crown fire behavior synthesis project.

For example:

- Are there gaps in knowledge pertaining to crown fire such as the desire for better assessments methods for assessing crown fire risk in a particular conifer forest stand type?
- When implementing mastication fuel treatments how much material can be left onsite or how long after a mastication treatment is the potential risk of crown fire alleviated?

## We are around. Come find us!

We would particularly like to hear about situations that are unique to the southern US.



**Marty**



**Miguel**



**Nicole**



For additional information visit our webpage:

<http://www.fs.fed.us/wwetac/projects/alexander.html>