

Appendix D – ZOTERO Bibliographic Data Base

ZOTERO reference management software is an important feature used throughout this Fire History and Climate Change synthesis project. ZOTERO is used to manage bibliographic information and generate bibliographic (author/title) and bibliographic (with abstract) databases available online and that accompany CD versions of this report.

Zotero Summary

Zotero [zoh-TAIR-oh] is a free, easy-to-use tool to help collect, organize, cite, and share research sources. It lives in the web browser itself.³² Zotero is an extension for the Firefox web-browser. It runs in its own pane within Firefox, separately from web pages. Zotero is, at the most basic level, a citation manager. It is designed to store, manage, and cite bibliographic references, such as books and articles. In Zotero, each of these references constitutes an item. Every item contains different metadata, depending on what type it is. Items can be everything from books, articles, and documents to web pages, artwork, films, sound recordings, bills, cases, or statutes, among many others. Items appear in the center column. The metadata for that item is in the right column. This includes titles, creators, publishers, dates, and any other data needed to cite the item. The left column includes My Library, which contains all items. Clicking the button above the left column creates a new collection, a folder into which items relating to a specific project or topic can be placed. Collections can also contain sub-collections. Zotero has many other important features that are fully described at the Zotero website (see footnote).

“Zotero (pronounced /zooˈteroo/) is free, open source reference management software to manage bibliographic data and related research materials (such as PDFs). Notable features include web browser integration, online syncing, generation of in-text citations, footnotes and bibliographies, as well as integration with the word processors Microsoft Word, LibreOffice and OpenOffice.org Writer. It is produced by the Center for History and New Media of George Mason University (GMU).”

<http://en.wikipedia.org/wiki/Zotero>

JFSP Fire History and Climate Change Bibliographic Database – Public Access

As part of this JFSP Project we have created a public access Fire History and Climate Change Library that can be accessed using any web browser (not just Firefox) at:

https://www.zotero.org/groups/jfsp_fire_history_and_climate_change/items

³² <http://www.zotero.org/>

Relative importance of weather and climate on wildfire growth in interior Alaska

Item Type Journal Article

Title Relative importance of weather and climate on wildfire growth in interior Alaska

Author Abatzoglou, John T.

Author Kolden, Crystal A.

Abstract Efforts to quantify relationships between climate and wildfire in Alaska have not yet explored the role of higher-frequency meteorological conditions on individual wildfire ignition and growth. To address this gap, meteorological data for 665 large fires that burned across the Alaskan interior between 1980 and 2007 were assessed to determine the respective influence of higher-frequency weather and lower-frequency climate, in terms of both antecedent and post-ignition conditions on fire growth. Antecedent climate exhibited no discernable influence on eventual fire size. In contrast, fire size was sensitive to weather in the days to weeks following ignition, particularly the post-ignition timing of precipitation. Prolonged periods of warm and dry conditions coincident with blocking that persists for several weeks after ignition enabled growth of large wildfires, whereas the return of wetting precipitation generally within a week after ignition inhibited growth of smaller wildfires. These results suggest that daily weather data are a critical predictor of fire growth and large fire potential and encourage their use in fire management and modeling.

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Clicking on this link will give you searchable access to nearly 1,000 items compiled for this JFSP Fire History and Climate Project. Here is an example of the information you would obtain by clicking on a typical reference item:

We plan to maintain and periodically update the Fire History and Climate Change ZOTERO bibliographic database for at least one year after project completion. We will maintain future public access through the George Mason University EastFIRE Laboratory website: <http://eastfire.gmu.edu>