

APPENDIX C: Selected bibliography on climate change

The following is a bibliography of climate change publications pertaining to fire regimes in the Alaskan and Canadian tundra as of 2012. For additional resources, see also the annotated climate change bibliography at the [Climate Change Resource Center](#).

Alaska Fire Science Consortium. (2012). Research summary: Alaska climate change adaptation series--wildfires, (Online). In: Library--Newsletters, fact sheets and summaries. Fairbanks, AK: Alaska Fire Science Consortium (Producer). Available: http://www.frames.gov/files/7913/4764/4448/CES_Wildfire_and_Climate_Summary.pdf (2012, November 2).

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Chapin, F. Stuart, III; Starfield, Anthony M. 1997. Time lags and novel ecosystems in response to transient climatic change in Arctic Alaska. *Climatic Change*. 35(4): 449-461.

Cronan, James; McKenzie, Donald; Olson, Diana. (2012). Fire regimes of the Alaska boreal forest. Draft manuscript. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 124 p. In cooperation with: Seattle, WA: University of Washington, School of Forest Resources; New Haven, CT: Yale School of Forestry and Environmental Studies; Moscow, ID: University of Idaho; Fairbanks, AK: U.S. Department of the Interior, Bureau of Land Management, Alaska Fire Service. Available online:
http://www.frames.gov/documents/alaska/fire_history/fire_regimes_alaskan_boreal_forest_draft_gtr.zip
(2012, September 4).

de Groot, W. J.; Wein, Ross W. 1999. *Betula glandulosa* Michx. response to burning and postfire growth temperature and implications of climate change. *International Journal of Wildland Fire*. 9(1): 51-64.

de Lafontaine, Guillaume; Payette, Serge. 2011. Shifting zonal patterns of the southern boreal forest in eastern Canada associated with changing fire regime during the Holocene. *Quaternary Science Reviews*. 30(7-8): 867-875.

Euskirchen, E. S.; McGuire, A. D.; Rupp, T. S.; Chapin, F. S., III; Walsh, J. E. 2009. Projected changes in atmospheric heating due to changes in fire disturbance and the snow season in the western Arctic, 2003-2100. *Journal of Geophysical Research*. 114: G04022. doi:10.1029/2009JG001095.

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Lloyd, Andrea H.; Fastie, Christopher L.; Eisen, Hilary. 2007. Fire and substrate interact to control the northern range limit of black spruce (*Picea mariana*) in Alaska. *Canadian Journal of Forest Research*. 37(12): 2480-2493.

McGuire, A. David; Chapin, F. S., III; Walsh, John E.; Wirth, Christian. 2006. Integrated regional changes in arctic climate feedbacks: implications for the global climate system. *The Annual Review of Environment and Resources*. 31: 61-91.

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