

Interactive
Comment

Interactive comment on “Wetland succession in a permafrost collapse: interactions between fire and thermokarst” by I. H. Myers-Smith et al.

I. H. Myers-Smith et al.

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Interactive comment on Wetland succession in a permafrost collapse: interactions between fire and thermokarst; by I. H. Myers-Smith et al. J. Limpens (Referee)

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Detailed responses to referee J. Limpens:

Most of the trees sampled surrounding the collapse feature showed compression wood in their growing rings, indicating continued slow permafrost degradation since initiation, nor one sudden response after fire. Was there any evidence of fire scars?

The last fire at this site was stand replacing, and there was no evidence of fire scars in

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the trees. Charcoal fallout from regional fires can be high in Interior Alaska. Significant deposition of ash was observed in the Fairbanks region during the summer of 2004, the largest fire year on record. Unfortunately, we did not measure the deposition rate of charcoal during this year at the site.

Interactive comment on Biogeosciences Discuss., 4, 4507, 2007.

BGD

4, S2897–S2898, 2008

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