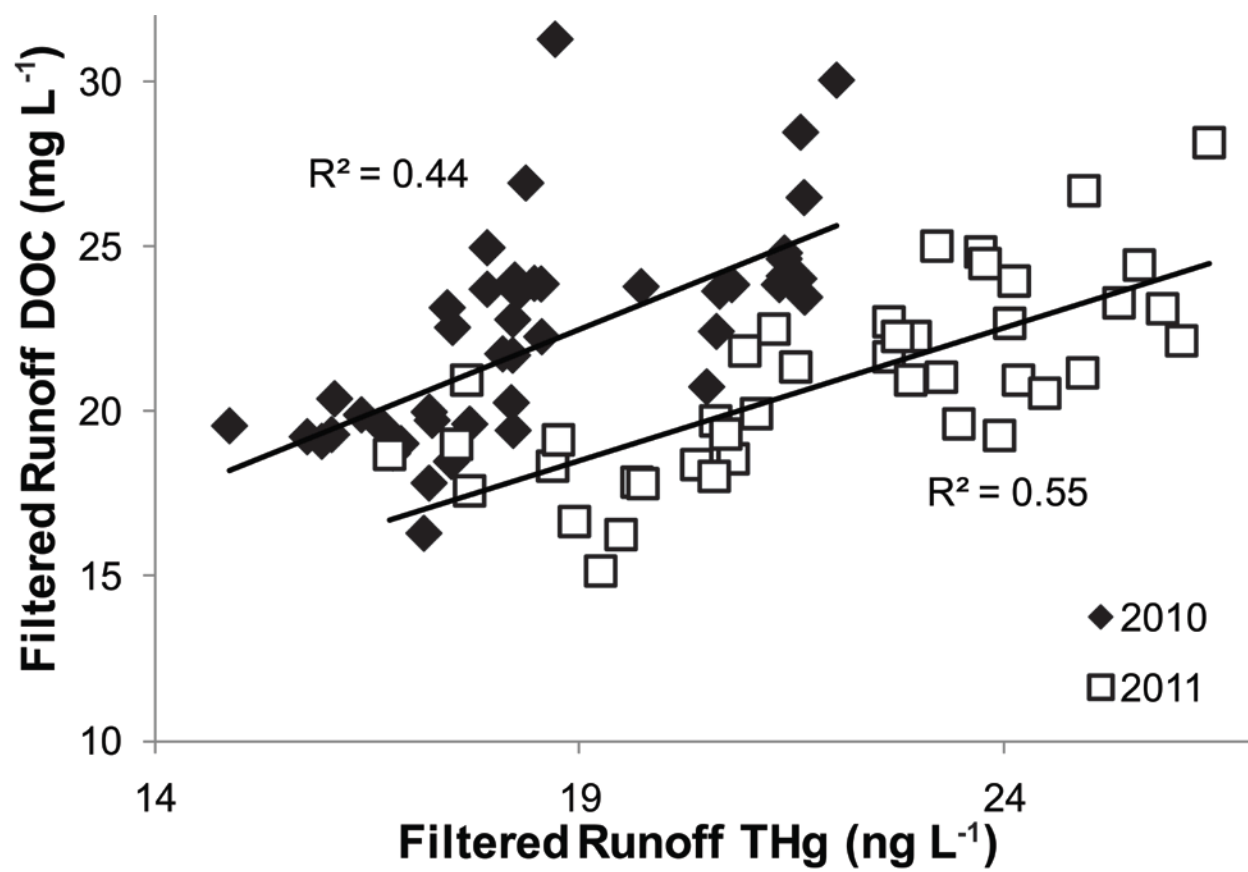


1 **Supplementary Figure 1:** Relationship between filtered THg and DOC runoff concentrations during 2010  
2 and 2011 melt periods.

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4 **Supplementary Figure 2:** Depth profile of soil THg concentrations and organic matter content  
5 (represented as % loss on ignition (LOI)). THg concentrations and %LOI at each depth (excluding surface  
6 silt) represent an average of nine soil cores collected in each of the S7A, S7B and S7C plots from the  
7 hillslope ridge, midslope and toeslope regions (surface silt is average of three cores, one core collected  
8 the midslope region of each plot).

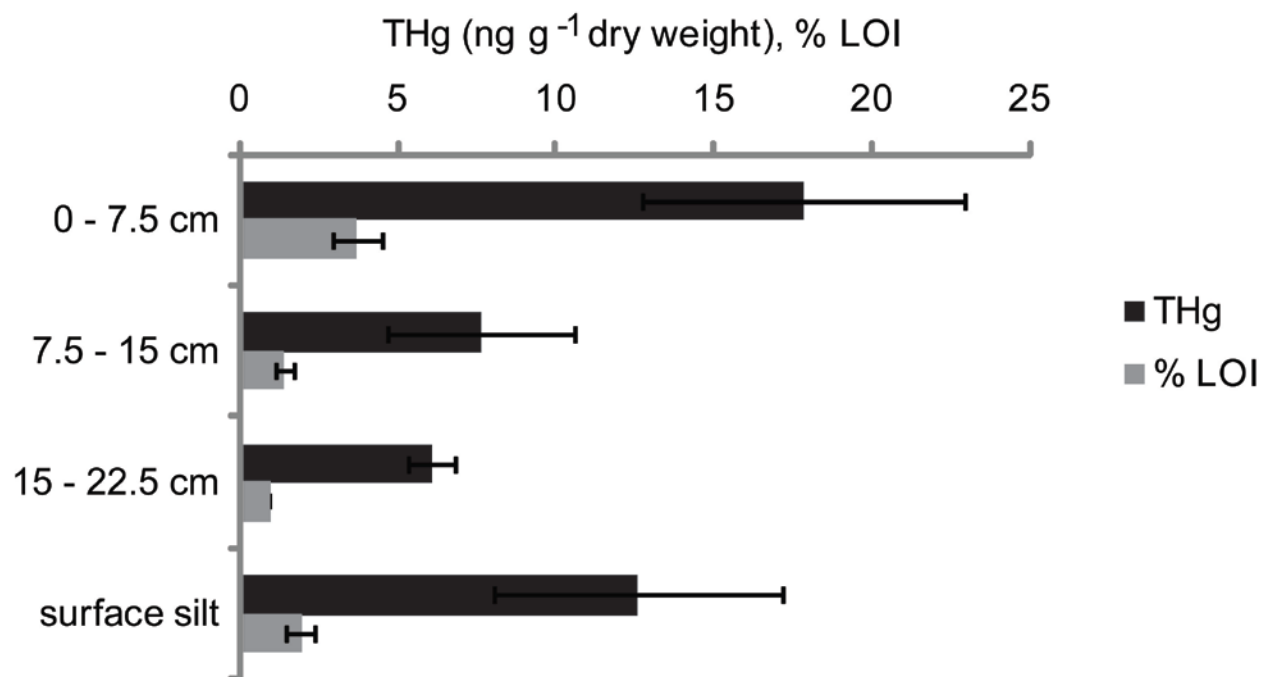
9 Supplementary Figure 1



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12 **Supplementary Figure 2**



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