**Biogeosciences
Discussions**

Interactive comment on "Alaskan soil carbon stocks: spatial variability and dependence on environmental factors" *by* U. Mishra and W. J. Riley

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Received and published: 29 May 2012

It is great to see someone knowledgeable about geostatistics offering feedback about this fine paper- thank you Gustaf. Because the application of a spatially-resolved upscaling method is one of this paper's strongest aspects, it would be appropriate if the results of this method were discussed at greater length in the context of other methods. For instance, in the Results and Discussion (page 12), where the authors discuss how their estimated SOC stocks differ from other published estimates- is there any way to compare prediction accuracy or spatial variation of stratified upscaling vs. spatially resolved upscaling within ecoregions (or at the statewide scale)? The current discussion

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only compares the estimates of SOC stocks across the methods, but would be stronger if it included some assessment of variability.

Interactive comment on Biogeosciences Discuss., 9, 5695, 2012.