

Interactive comment on “Climate change impacts on maritime mountain snowpack in the Oregon Cascades” by E. Sproles et al.

E. Sproles

eric.sproles@gmail.com

Received and published: 18 December 2012

Thank you for your interest in the manuscript and for providing a relevant comment/question. Our approach assessed the sensitivity of snowpack to projected temperatures increases and variability in precipitation. The sensitivity of snowpack between 1000 and 1800 m was attributed primarily to increased temperature. Our approach did not include any effect of anthropogenic aerosols, thus we cannot comment on the influence of aerosols on the optical properties of snow. The validated model from the study would provide a robust framework for addressing your question.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 13037, 2012.

C5856