

Interactive comment on “Glacier annual balance measurement, prediction, forecasting and climate correlations, North Cascades, Washington 1984–2006” by M. S. Pelto

H. Basagic

basagic@pdx.edu

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I had a comment regarding the loss of two glaciers in the Washington Cascades. The article indicates that Spider and Lewis Glaciers no longer exist (18-5, 21-22). I was seeking clarification if these glaciers have truly disappeared or have become stagnant ice bodies.

Regarding Spider Glacier, there are two Spider Glaciers in Washington State. One is found on Cascade Pass Quad (48.414 N, 121.031 W) located below Spider Mountain. The second is on Suiattle Pass Quad (48.164 N, 120.880 W), located near Lyman Glacier. The text is not clear which Spider Glacier has disappeared. A

2005 photograph shows the glacier below Spider Mountain (48.414 N, 121.031 W) being small, but present. Ice is exposed with crevasses, and photos can be found here: http://glaciers.research.pdx.edu/assets/index.php?search_ass=spider&search+assets=submit Aerial photographs (1998) of the Lewis Glacier and other Spider Glacier show these features existing as small ice or snow patches.

It would be helpful to clarify whether the two glaciers have completely disappeared or if they have become stagnant ice features. If the ice no longer occupies the area it might be interesting to note when the glaciers disappeared.

Interactive comment on The Cryosphere Discuss., 1, 17, 2007.

TCD

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