

***Interactive comment on “A revised northern soil Hg pool, based on western Siberia permafrost peat Hg and carbon observations” by Artem G. Lim et al.***

**Anonymous Referee #1**

Received and published: 4 February 2020

Lim and co-authors present a new set of peat observations from Siberia to improve estimates of mercury (Hg) storage in Arctic soils and permafrost. Their work fills important data gaps and will make a substantial contribution to the field. The manuscript is clear, well organized, and is supported by good figures. I recommend this paper for publication with minor revisions.

Specific comments:

Line 31: "Ocean" should be lower case.

Line 35: "arctic" should be capitalized.

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Line 37: "Western" should be lower case.

Line 48: I'd replace "must be performed" with "are needed".

Line 78: Why is export most pronounced in the discontinuous permafrost zone?

Line 86: Spell out "North" in "N-America".

Line 116: You could omit "of the Supplementary Information". It's already implied by the "S" in Table S1.

Line 126: The abbreviation "MAAT" isn't helpful. Do you need it?

Line 374: "Ocean" should be lower case.

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Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-483>, 2020.

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