

The manuscript is acceptable in its current form, I would like to clarify one of my comments and let the authors consider it.

My comment about volume was not a liquid volume, but rather a volume of basal ice (cm<sup>3</sup>). I understand that g of basal ice is like a permafrost soil core and so volume (mL) doesn't make sense, but usually the permafrost soil also comes along with a soil water content and therefore a wet weight:dry weight ratio. I did not see any numbers on sediment content, which is important to know for biomass calculations. If you do want to stay with g of ice, that is fine, but is it g wet weight or g dry weight? The names of the different basal ice types are informative, but need to be comparable to the next study.