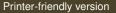# *Interactive comment on* "Disaggregating a Regional Extent Digital Soil Map using Bayesian Area-to-Point Regression Kriging for Farm-Scale Soil Carbon Assessment" *by* Sanjeewani Nimalka Somarathna Pallegedara Dewage et al.

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First of all, the authors would like to thank you providing constructive comments on this manuscript. We have identified the uncertainty of the original should also be considered in the disaggregation process. and mentioned this in our conclusions section as a recommendation. Our main focus of this paper was to estimate the uncertainty of the disaggregation process which is overly neglected in the current literature. However, the proposed Bayesian method is capable of handling the uncertainty of the original map by incorporating the uncertainty as a noise variance in the covariance matrix; CBB.

The noise variance can be filtered out by including in the diagonal of the covariance matrix.

Also, we agree with the reviewer that the discussion section should be little more generalised. We will revise the paper accordingly.

Interactive comment on SOIL Discuss., https://doi.org/10.5194/soil-2019-75, 2020.