

## ***Interactive comment on* “Stratigraphic Identification with Airborne Electromagnetic Methods at the Hanford Site, Washington” by Piyooch Jaysaval et al.**

### **Anonymous Referee #1**

Received and published: 8 November 2020

This manuscript presents a nice application of 3D inversion of Airborne EM data. The goal of the work is strictly related to the assessment of the applicability of inversion codes to a large data set of EM data, as explicitly declared by the authors: "in this paper, we present the first inversion results of the AEM data at the Hanford Site obtained using a 3D EM modeling and inversion code" (lines 79-80).

The work is well done, well written and interesting from the point of view of geophysical prospecting. However, it does not provide a new methodological approach, as it is largely based on the results of previous papers by the first author. The novelty is focused on the application of the methods developed there to a large data set. However,

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the work does not include any discussion of hydrological process, of an hydrological model or hydrological data.

Therefore, I think that the work is very far from the goals of HESS and should be submitted to one of the journals which accept papers strictly dealing with geophysical exploration (e.g., Geophysics, Geophysical prospecting, Journal of applied geophysics, Near surface geophysics, etc.).

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2020-478>, 2020.

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