

Interactive comment on “An automated method to build groundwater model hydrostratigraphy from airborne electromagnetic data and lithological borehole logs” by P. A. Marker et al.

Anonymous Referee #4

Received and published: 12 April 2015

The paper “An automated method to build groundwater model hydrostratigraphy from airborne electromagnetic data and lithological borehole logs” by P. A. Marker et al. is an interesting contribution to the use of airborne EM data. I agree with the remarks by Jan Gunnink and reviewers 1 and 2. The clay fraction concept should be explained in more details and examples because it is the link between geophysics and the geostatistic approach of this model.

It is good that a region at the Danish Baltic coast with complicated geological conditions due to 3 glaciations is chosen for the groundwater model. The reference model is also based on AEM data, for both models the hydraulic conductivity was found through

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calibration to water heads and discharge. So both models are quite similar and it is not surprising that the results are similar.

Following Jan's remark that all models are wrong, but some are useful the authors have shown the usefulness of their proposed model.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 1555, 2015.

HESD

12, C975–C976, 2015

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