Solid Earth Discussions

Solid Earth Discuss., author comment AC3
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Reply on EC1

Sara Raič et al.

Author comment on "Application of lithogeochemical and pyrite trace element data for the determination of vectors to ore in the Raja Au–Co prospect, northern Finland" by Sara Raič et al., Solid Earth Discuss., https://doi.org/10.5194/se-2021-119-AC3, 2021

Dear Dr. Liam Bullock,

All comments and suggestions made by the reviewers were taken into account, when preparing the manuscript for re-submission. The following gives a summary on the changes:

- All suggestions made by the reviewers regarding typo, spelling and expression have been rephrased, accepted, and changed in the manuscript.
- The length of the text was reduced, to avoid repetition. Most of the reiterative sections were in the results chapter 4.2. Alteration types, which was incorporated into 4.1 and section 4.2 was changed from “Alteration types” to “Ore textures and Mineralogy”. The discussion part was also shortened: sections 5 Implications for mineral exploration and 6 Conclusions are merged to 6 Conclusions and implications to mineral exploration.
- Both reviewers suggested to move the sections on ore-formation models from the conclusion. Following this suggestion, the rephrased section 5.4 is now "Signatures of sulfur isotopes in pyrite and ore-forming processes" (used to be Signature of sulfur isotopes in pyrite).
- All new reference suggested by both reviewers are included in the text and in the Reference section.
- Attached are the responses to the reviewers comments

Thank you for taking the revised manuscript into consideration for publications,

BR,

Sara Raič