

***Interactive comment on “Increasing iron concentrations in surface waters – a factor behind brownification?” by E. S. Kritzberg and S. M. Ekström***

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Reply LarsL; Regarding silviculture influences. Locally it could be valid but as an overall phenomenon it is more difficult to understand. Actually, the forest stock in Sweden and the forest volume as well as the productivity (yield) has increased over long time; almost a hundred years. With greater forest growth, it would be reasonable to conclude lowered groundwater levels meaning smaller leaching of organic substances and Fe alone do not manage to create the higher water colour. However, a higher forest production also means increased supply of organic material and together with higher temperatures this would possibly furnish higher decomposition and leaching of organic

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material. So, actually there could be two (or even more) counteracting processes in this situation and in the end it would relate to silviculture.

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