

# ***Interactive comment on “Oxygen dynamics and evaluation of the single station diel oxygen model across contrasting geologies” by Simon J. Parker et al.***

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The other thing which to some extent has been overlooked is that the paper is not just about the appropriateness of metabolism models. Streams are sometimes referred to by their geology (in the UK at least). It might be presumed that because one stream is similar to another in terms of geology and groundwater regime, then they would be similar in terms of ecological functioning. But in this case, in terms of oxygen dynamics, one Chalk stream has behaviour similar to a Greensand stream, rather than to another Chalk stream. For me, this was unexpected.

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Discussion paper

