

## Authors response

Review “Frequency domain water table fluctuations reveal impacts of intense rainfall and vadose zone thickness on groundwater recharge”

by Guillaumot et al.

### Editor comments:

Dear authors,

I carefully studied the marked-up revision and your replies to the reviewer comments. I conclude that you have revised the paper very well and adequately addressed the reviewers' concerns. I therefore do not believe that an additional round of reviews will be necessary.

I found 2 remaining issues that you can correct with little effort:

- 1) In Eq. (7), should the second  $P_{sub\_XX}$  not be  $P_{sub\_YY}$ ?
- 2) In the title of section 6.3.2, what does the word 'solicited' mean in this context?

I am happy to accept the paper for publication if you take care of these two points when submitting your final version.

Yours sincerely,

Gerrit de Rooij  
Editor

### Authors response:

Dear editor,

Thank you for your interest in our manuscript and for your suggestions. We modified point 1) and 2) as suggested:

- 1) “ $P_{sub\_XX}$ ” replaced by “ $P_{sub\_YY}$ ”
- 2) New title for section 6.3.2: “Pumping stresses the deeper critical zone compartment”

In addition, we improved figures 3, 4, 8 and 9 to help people with colour vision deficiencies based on the Coblis – Color Blindness Simulator (<https://www.color-blindness.com/coblis-color-blindness-simulator/>).

Best regards,

Luca Guillaumot, on behalf of co-authors.