JSWC-D-17-00140 revision request

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发给 朱良君

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Spatial optimization of watershed best management practices based on slope position units Journal of Soil and Water Conservation

01/02/2018

Dear Dr. Zhu,

The manuscript submitted for publication in Journal of Soil and Water Conservation has finished the review process. The reviewer's comments have been considered. Your manuscript is not yet ready for publication, but it is very close. If you are able to complete the following revisions within 30 days, your changes will be reviewed. If they are adequate, your manuscript will be accepted.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revision.

Please complete these revisions by 02/01/2018. If you need more time, please respond to this message to let me know.

To submit a revision, go to http://jswc.edmgr.com/ and log in as an author. You will see a menu item call "Submission Needing Revision." You will find your submission record there.

We appreciate your interest in Journal of Soil and Water Conservation as an outlet for your research.

Best wishes.

Jody Thompson
Editorial Assistant
Journal of Soil and Water Conservation

Reviewers' comments:

Reviewer #1: The paper adresses an interesting issue concerning spatial optimization of watershed best management practices. The proposed approach builds on terrain attreibutes, namely on slope positions.

The carefully and watchfully written manuscript is clearly structured and put into correct format. I propose its publication in its present form.

Reviewer #2: The article is relevant and well structured. I found only little mistakes in References section and I have some recommendation to the figures and a usage of a geographical term.

References of line 541, 573, 676 are missing in the text, and the hyperlink is not working.

Line 142 Pennock et al. 1987 is missing in the references section.

Figure 3, 4 and 10.: In my opinion, under the scales, '0.5' label would better than '.5'.

Figure 4 Hard to differentiate the boundaries of the sub basin and hillslope unit.

Lines 81-83 "With respect to the first point, slope positions (also referred as landform positions or landscape positions) are spatially contiguous and topographically connected units along hillslope (e.g., ridge, backslope, and valley)."

For me, the expressions of slope position and landscape position are not synonyms with each other. In my opinion, the landscape position cover a larger unit with some function in a pre-defined landscape while the slope position only depends on the "conditions" of a hillslope.

Remark: I have checked the equations (4-6) with my best knowledge, but I have a little experience to check them.

Assoc. ed.

Please resolve the acronyms at line 266 563, 573, 627-630, 636, 638, 693 etc. no space between initials 659-661 reference should be restyled 659, 682 Include "and"