

We thank the editor's comments. We made the following changes based on the editor's comments.

Replacing 'valley' with "thalweg" at lines 464, 467, 471, and 489;

Change "decreasing" to "decrease" at line 477;

Change "no dynamic pressure model" to "models without dynamic pressure" at line 556;

Change "our another work" to "another work of ours" 579.

We also follow the guideline of avoiding parallel usage of red and green in the figures. All figures have been regenerated to replace "green" with yellow or other colors. Non-green colors are not changed. Texts related to green colors are also changed to relate it the new color names.