Hydrol. Earth Syst. Sci. Discuss., 9, C2285–C2286, 2012
www.hydrol-earth-syst-sci-discuss.net/9/C2285/2012/

Hydrology and Earth System Sciences Discussions

Interactive comment on "The hydrological responses of different land cover types in a re-vegetation catchment area of the Loess Plateau, China" *by* S. Wang et al.

Anonymous Referee #2

Received and published: 18 June 2012

This manuscript analyzed hydrological impacts of re-vegetation through field experiments in the Loess Plateau, Northwest China. It evaluated the soil moisture and temperature differences among the 5 different land cover types: three, shrub, subshrub, grass, and crop. The findings contribute to the literature in the soil physics and vegetation change. However, the paper needs to clarify the following points:

1. Explanation of the temporal differences in soil moisture and temperature; 2. Soil water budget and soil water loss. Specifically, explicit explanation soil water loss by ET and other factors such as surface runoff. 3. Presentation of data on dam land

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advantages in soil and water conservation.

Once these clarifications are done, the paper can be published in the journal.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 5809, 2012.