

Interactive comment on “Classification and flow prediction in a data-scarce watershed of the Equatorial Nile region” by J.-M. Kileshye Onema et al.

Anonymous Referee #2

Received and published: 8 June 2011

General comments: Generally the paper has presented good approach to estimation of flow/runoff in ungauged catchments. However the discussion on the transferability of the results to other ungauged catchments is not well covered. Validation of the results: It could have been better to use independent data set within the catchment (the data set not used for optimization) for the verification/validation of the models. Historical records (28 years)- it is not clear whether the data was collected from a single gauging stations or several gauging stations for different the 21 subcatchments.

Specific comments: Line 10: the word 'forecast'—should be replaced with 'estimate'

C2055

as forecasting has different meaning

Line 13: Equation (3): Y is not defined Line 20: Subcatchments are not labelled as S3-S23 but 3-23 (refer Fig.2) Line 24: '...minimum values do not exceed 703m' This sentence is not clear! For the Minimum elevation attribute (Table 9), the maximum value is 804m and not 703m.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 3599, 2011.

C2056