

## ***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**

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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'

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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.

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

**HESD**

8, C2055–C2056, 2011

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