



Hydrological processes of a rainforest headwater swamp from natural chemical tracing in Nsimi watershed, Cameroon

Jean-Christophe Maréchal, Jean-Jacques Braun, Jean Riotte, Jean-Pierre Bedimo Bedimo, Jean-Loup Boeglin

► To cite this version:

Jean-Christophe Maréchal, Jean-Jacques Braun, Jean Riotte, Jean-Pierre Bedimo Bedimo, Jean-Loup Boeglin. Hydrological processes of a rainforest headwater swamp from natural chemical tracing in Nsimi watershed, Cameroon. *Hydrological Processes*, 2011, 25 (14), pp.2246-2260. 10.1002/hyp.7989 . hal-00662963

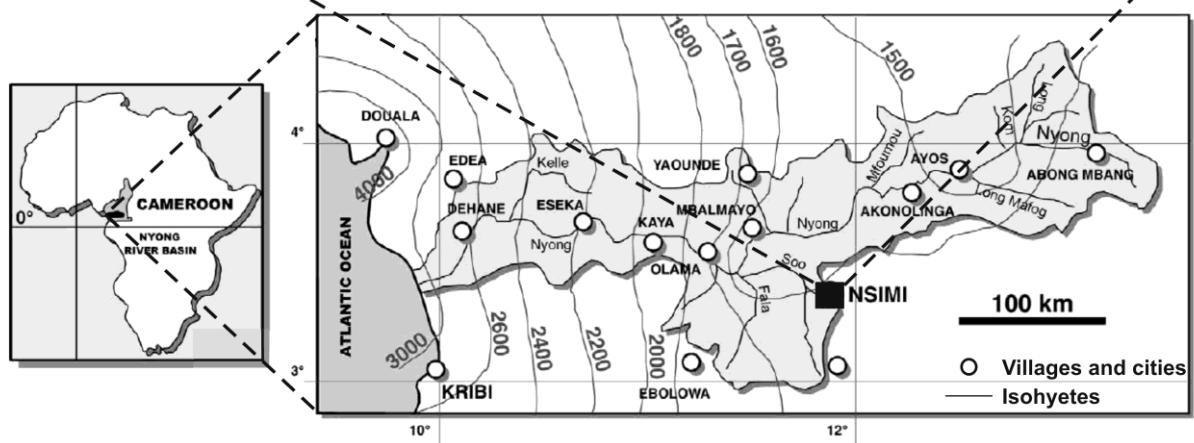
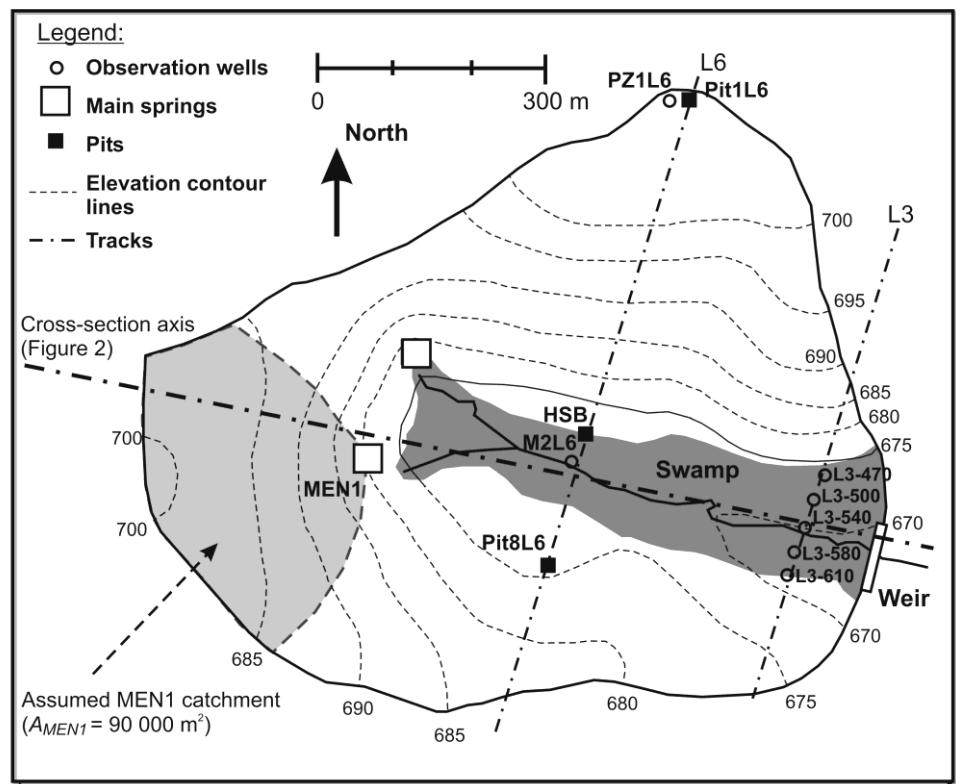
HAL Id: hal-00662963

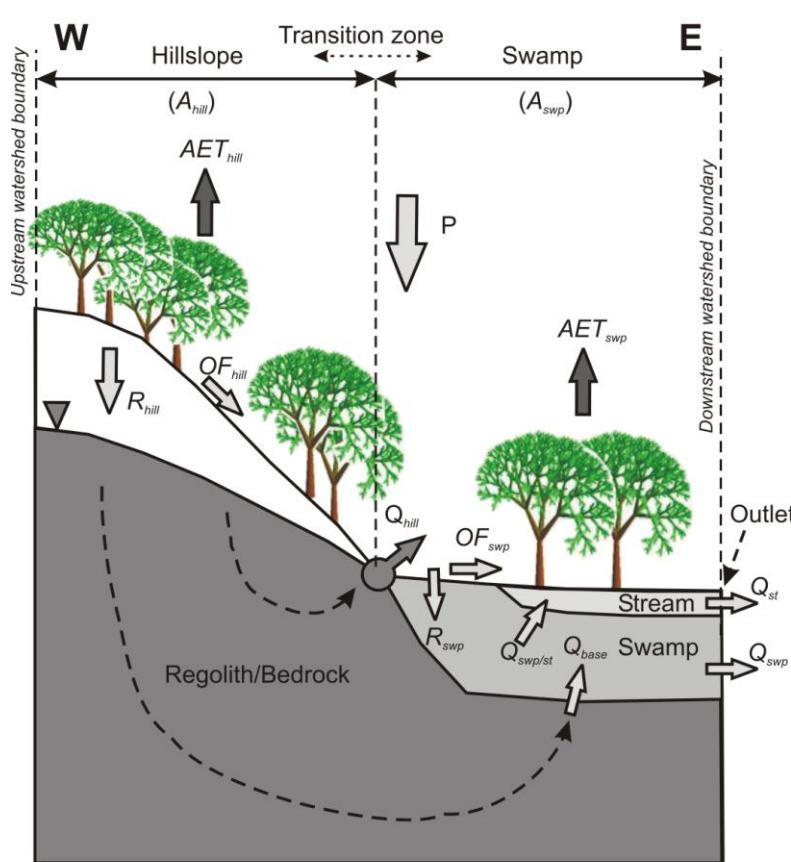
<https://hal.science/hal-00662963>

Submitted on 25 Jan 2012

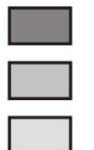
HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



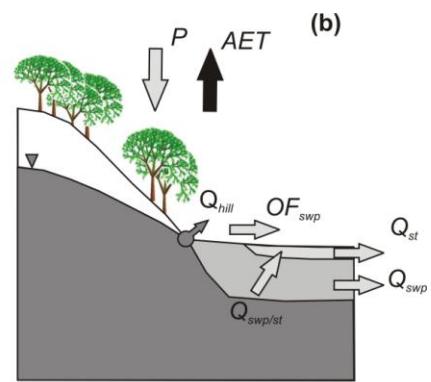


Legend:

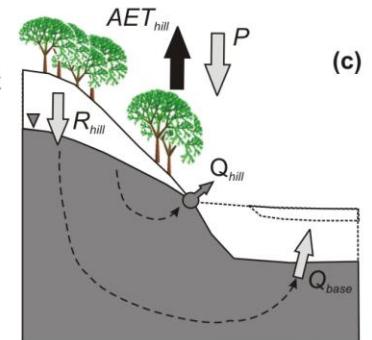


(a)

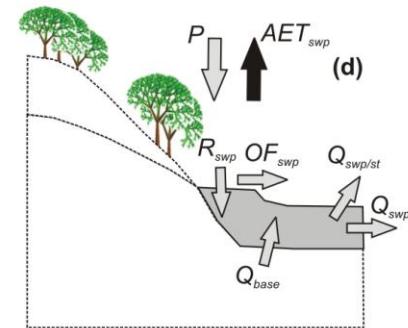
- Groundwater flow paths
- Spring
- ↓ Water flow and chloride flux
- ↑ Evapotranspiration (without chloride flux)



Watershed:
Equations (1), (6) and (7a)



Hillside system:
Equations (2), (3) and (7b)



Swamp system:
Equations (4), (5) and (7c)

