Supplementary materials

Assessing the Impacts of Current Land Use and Climate Changes and Impacts of Future Climate Changes on River Discharge towards Lake Victoria

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Supplementary File S1: Daily, monthly and Annual precipitation in Simiyu catchment

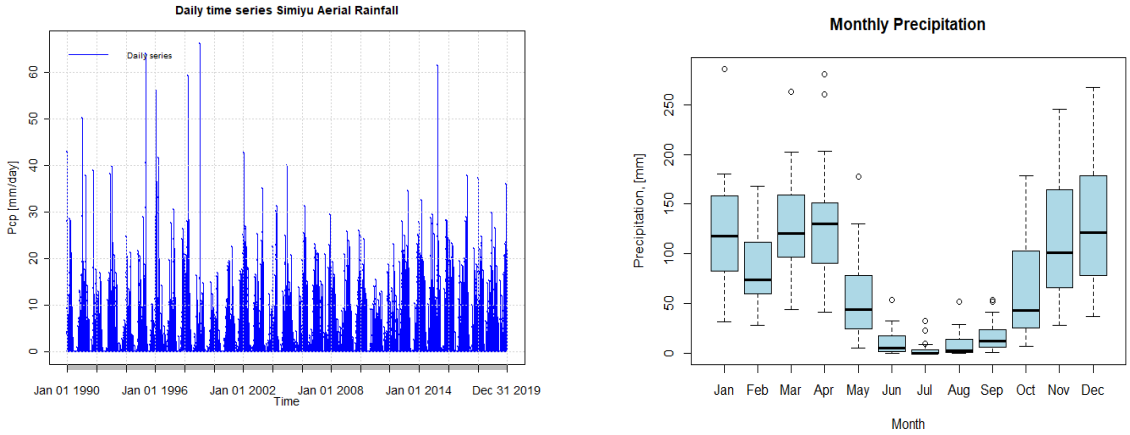

Figure S1. On the left is the daily rainfall and the box plot on right represents the monthly precipitation in the Simiyu catchment.

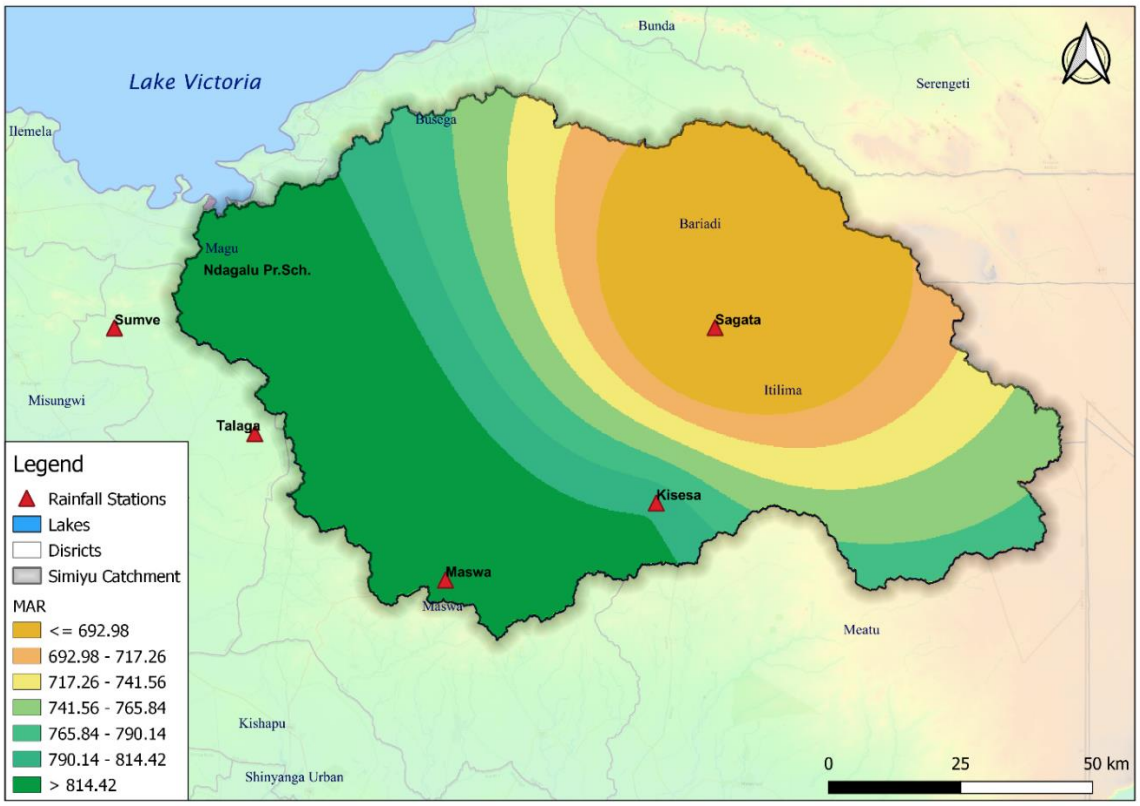

Figure S2. Mean Annual Rainfall distribution in Simiyu River Catchment.

Supplementary File S2: Geology of the Simiyu River catchment

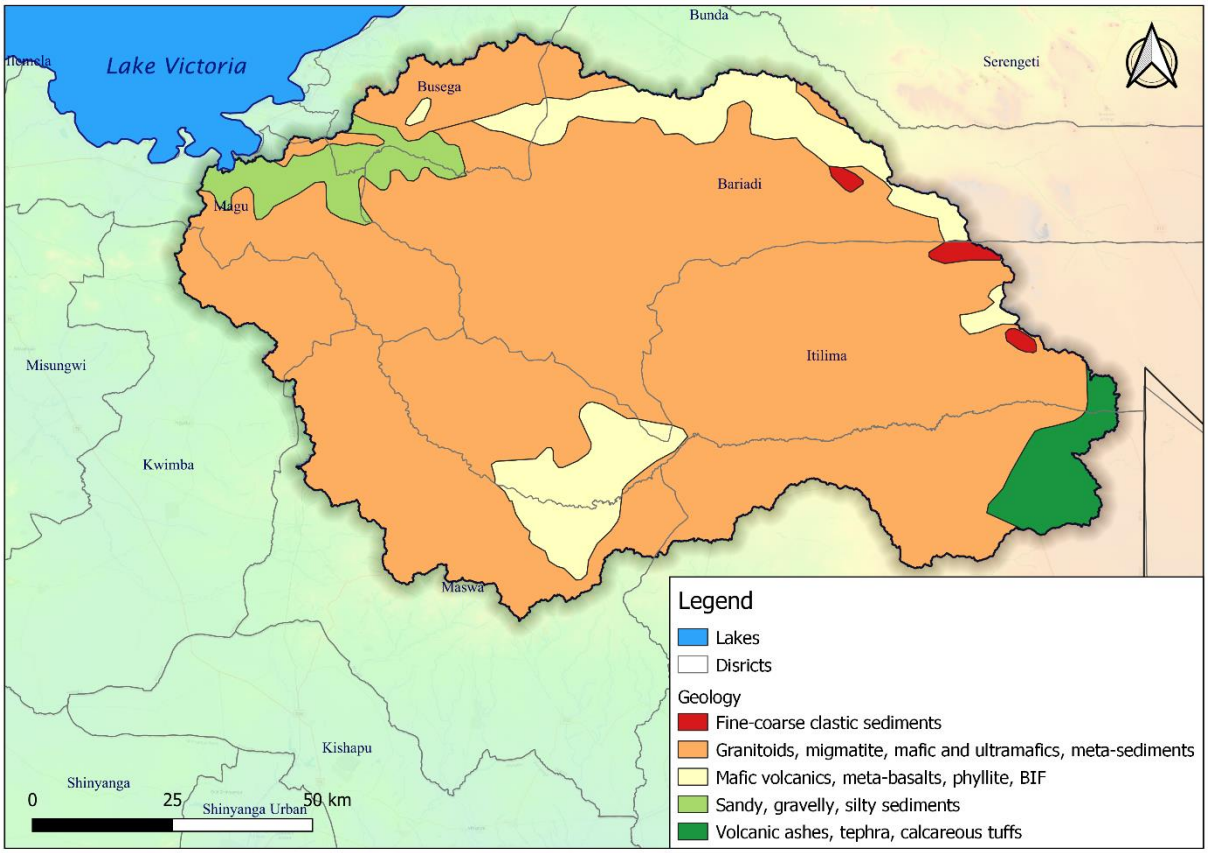

Figure S2. Geological characteristics of the Simiyu river catchment**.**

Supplementary File S3: Soil parameters in the SWAT Model database

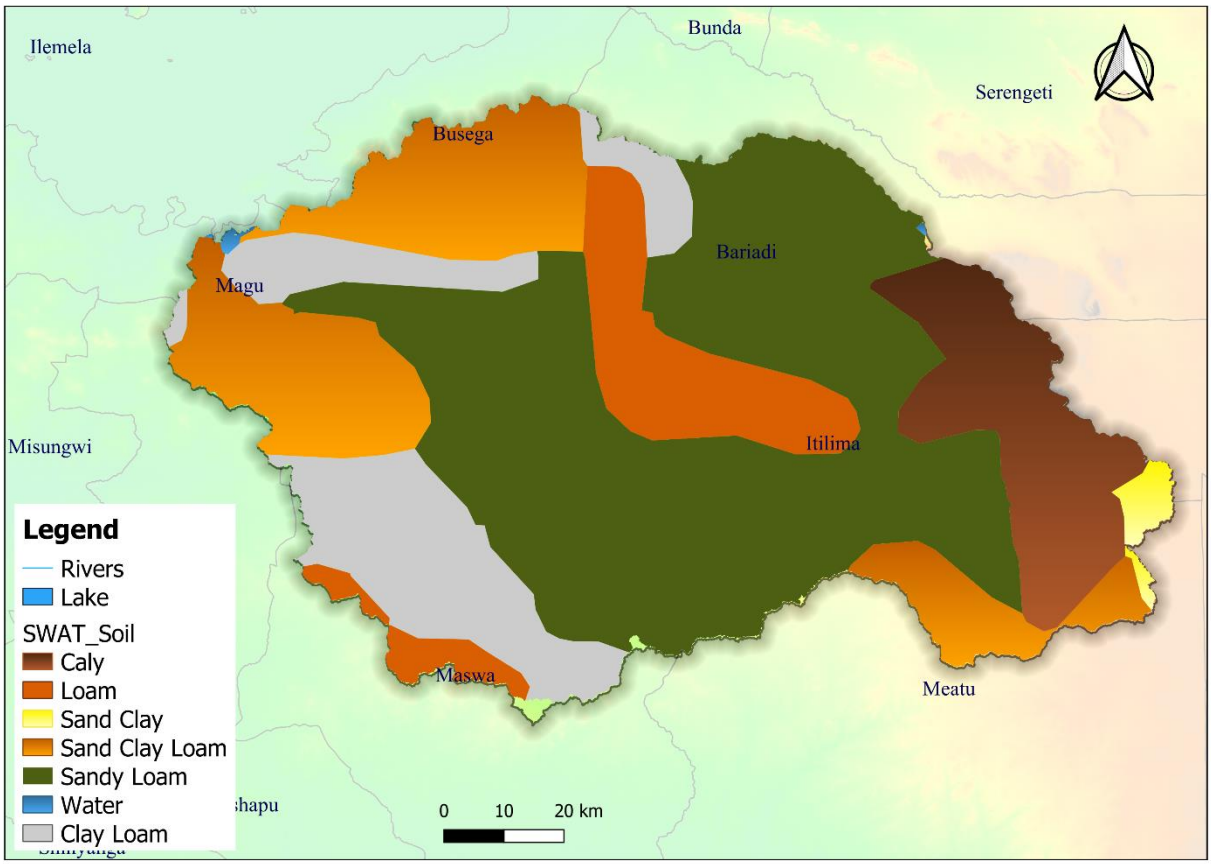

Figure S3: Soil types of the Simiyu catchment with their real coverage and (FOA-UNESCO soil classification system

Supplementary File S4: SWAT soil reclassified map of the study area

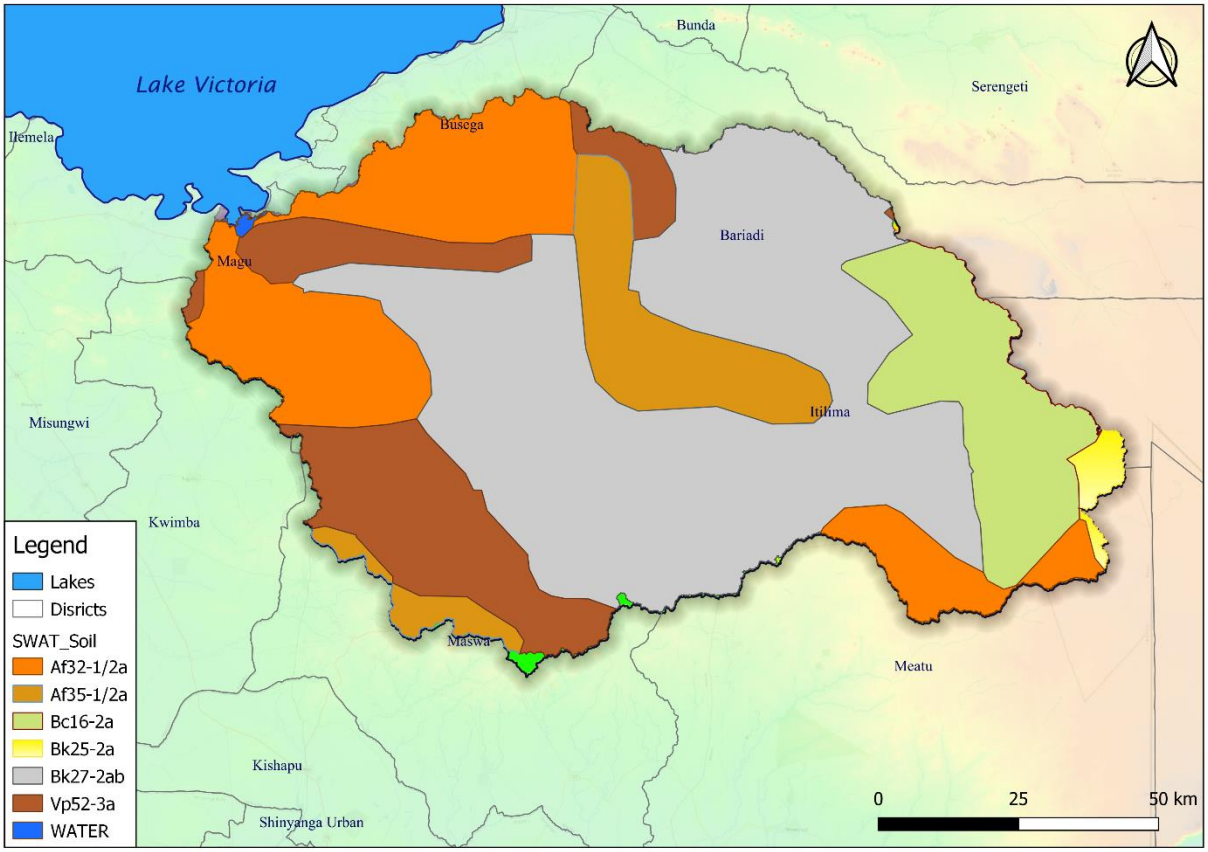

Figure S4. SWAT soil reclassified map of the study area**.**

Supplementary File S5: Selection of GCM dataset model (2030–2060)

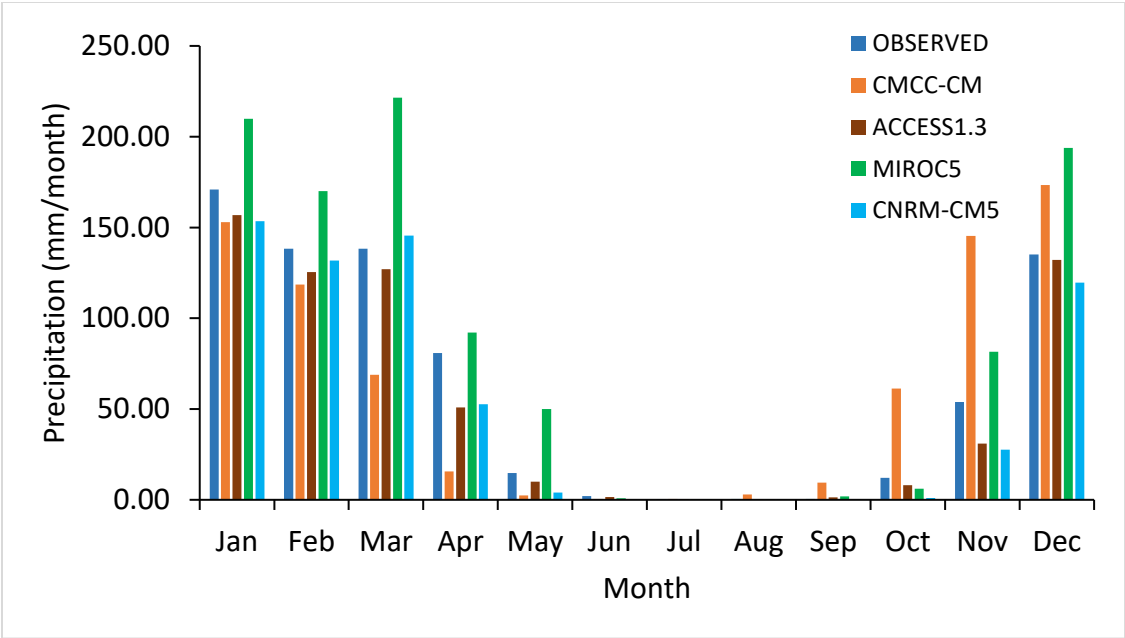

Figure S5. General Circulation Models (GCMs) were sourced from the Coupled Model Intercomparison Project 5 (CMIP5).

Supplementary File S6: Different emission scenarios

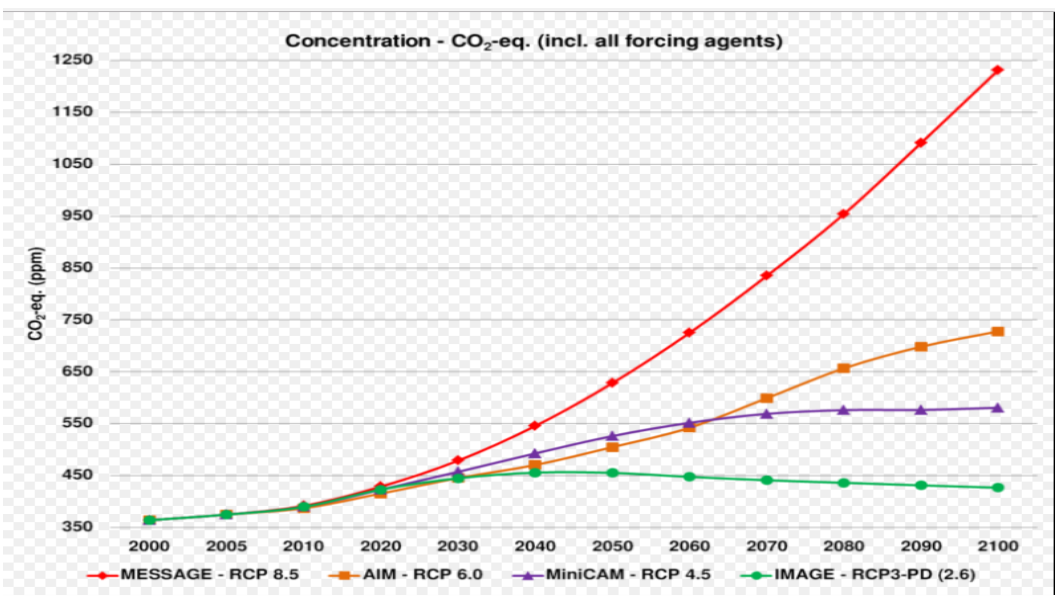

Figure S6. Four Representative Concentration Pathway (RCPs) emission scenarios: Source: (IPCC, 2014).