Supporting Information

Title: Coupling hydrologic and infectious disease models to explain regional differences in schistosomiasis transmission in southwestern China

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Summary: Supporting Informaiton contains further details regarding hydrologic model development, the schistosomiasis transmission model, model validation and flow and worm burden model predictions.

5 figures, 1 table, 8 references, 12 pages, 1,800 words

Hydrologic Model Development. A conceptual rainfall-runoff model (IHACRES; *1, 2*) was used to estimate daily channel flow in representative channels in the two sites. The IHACRES model consists (Figure S1) of a nonlinear rainfall loss module which converts observed rainfall (mm) at time step k, r_k, into effective or excess rainfall, U_k, and a linear module which converts the excess rainfall into observed streamflow (cumecs).

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