Supplemental Material

Table S 1–SWAT+ parameters tested in sensitivity analysis. Parameters are ordered from most to least important.

	Parameter	Description	Range
1	CN2	SCS runoff curve number	35–95
2	SOL_AWC	Available water capacity (mm/mm)	0.01–1
3	ESCO	Soil evaporation compensation coefficient	0.01–1
4	PERCO	Percolation coefficient (fraction)	0–1
5	CANMX	Maximum canopy storage (mm)	0–100
6	EPCO	Plant uptake compensation factor	0.01–1
7	REVAP_CO	Groundwater "revap" coefficient	0.02–0.2
8	ALPHA_BF	Base flow recession constant (days)	0.01–1
9	BF_MAX	Baseflow rate when the entire area is contributing to baseflow (mm)	0.1–2
10	SURLAG	Surface runoff coefficient	0.05-24