

S1 Table. Input features in the random forest models and their definitions. Values were extracted for each coordinate for each year during 2000–2010, then averaged over the period.

Variable name	Definition	Units
mean_temp	mean annual temperature	°C
high_mean	highest monthly average temperature in a year	°C
low_mean	lowest monthly average temperature in a year	°C
mean_max	annual mean of mean monthly maximum daily temperature	°C
high_max	annual maximum of mean monthly maximum daily temperature	°C
low_max	annual minimum of mean monthly maximum daily temperature	°C
mean_min	annual mean of mean monthly minimum daily temperature	°C
high_min	annual maximum of mean monthly minimum daily temperature	°C
low_min	annual minimum of mean monthly minimum daily temperature	°C
t_range	high_max – low_min	°C
mean_pre	annual mean of monthly precipitation	mm
high_pre	annual maximum of monthly precipitation	mm
low_pre	annual minimum of monthly precipitation	mm
elevation	the altitude of a site	m
eng_dec_in	whether the site has documented enigmatic amphibian declines	0/1
sp_rich	estimated number of amphibian species at the site	[number]
biome	biome designation at site	[categorical type]