

SUPPORTING INFORMATION: APPENDIX S2

Ecosphere

“Floodplains provide important amphibian habitat despite multiple ecological threats”

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Table S1. Top ten models for the six amphibian species, including covariates for detection (p) and occupancy (ψ). Weight indicates the proportion of times this model was selected compared to the top 50 model combinations. DOY = day of year; CN = centrarchids; BF = bullfrogs; veg = emergent vegetation; hydro = hydroperiod; forest = forest cover; conn = connectivity; SA = surface area.

Species		p	ψ	Weight
<i>American bullfrog</i>	1	DOY, CN	Year, conn, veg, hydro, SA	0.141
	2	DOY, CN	Year, origin, conn, veg, hydro, SA	0.074
	3	DOY, CN	Year, conn, veg, SA	0.070
	4	DOY, CN	Conn, veg, hydro, SA	0.043
	5	CN	Year, conn, veg, hydro, SA	0.042
	6	DOY, CN	Year, conn, veg, hydro, forest, SA	0.040
	7	DOY, CN	Year, conn, hydro, SA	0.038
	8	DOY, CN	Year, conn, veg, hydro	0.037
	9	DOY, CN	Year, origin, conn, veg, SA	0.036
	10	DOY, CN	Year, conn, veg	0.027
<i>Rough-skinned newt</i>	1	DOY	Year, origin, conn, veg, forest	0.059
	2	.	Year, origin, conn, veg, forest	0.049
	3	DOY	Origin, conn, veg, forest	0.036
	4	DOY	Year, origin, conn, veg, forest, CN	0.035
	5	DOY	Year, conn, veg, forest	0.032

	6	DOY	Year, origin, conn, forest	0.031
	7	.	Origin, conn, veg, forest	0.029
	8	DOY	Conn, veg, forest	0.028
	9	.	Year, conn, veg, forest	0.028
	10	.	Conn, veg, forest	0.033
<i>Northern red-legged frog</i>	1	BF	BF, CN, year, conn, veg	0.060
	2	BF	BF, CN, year, origin, conn, veg	0.047
	3	BF	CN, year, conn, veg	0.043
	4	BF	BF, SA, CN, year, conn, veg	0.035
	5	BF	CN, year, origin, conn, veg	0.035
	6	BF	BF, SA, CN, year, origin, conn, veg	0.032
	7	BF	BF, CN, year, conn, veg, hydro	0.030
	8	BF	CN, year, conn, veg, hydro	0.028
	9	BF, DOY	BF, CN, year, conn, veg	0.027
	10	.	BF, CN, year, conn, veg	0.025
<i>Pacific treefrog</i>	1	DOY, cent	SA, year, conn, veg, hydro	0.040
	2	DOY, cent	Year, origin, conn, veg, hydro	0.035
	3	BF, DOY, cent	Year, origin, conn, veg, hydro	0.032
	4	DOY, cent	SA, year, conn, veg, hydro	0.031
	5	DOY, cent	Year, conn, veg, hydro	0.028
	6	DOY, cent	SA, year, origin, conn, veg, hydro	0.028
	7	BF, DOY, cent	Year, conn, veg, hydro	0.027
	8	DOY, cent	SA, cent, year, conn, veg, hydro	0.026
	9	DOY, cent	SA, year, origin, conn, veg	0.025
	10	BF, DOY, cent	BF, year, origin, conn, veg, hydro	0.023
<i>Long-toed salamander</i>	1	BF	Year, origin, conn, veg, hydro	0.100
	2	BF	SA, year, origin, conn, veg, hydro	0.052
	3	BF	BF, year, origin, conn, veg, hydro	0.051
	4	BF	TAGR, year, origin, conn, veg, hydro	0.050

	5	BF	CN, year, origin, conn, veg, hydro	0.045
	6	BF	BF, SA, year, origin, conn, veg, hydro	0.035
	7	BF	BF, TAGR, year, origin, conn, veg, hydro	0.033
	8	BF	Year, conn, veg, hydro	0.030
	9	BF	TAGR, SA, year, origin, conn, veg, hydro	0.025
	10	BF,cent	year, origin, conn, veg, hydro	0.024
<i>Northwestern salamander</i>	1	.	BF, CN, year, origin, conn, veg	0.044
	2	.	BF, CN, year, conn, veg	0.040
	3	.	BF, year, origin, conn, veg	0.039
	4	.	BF, year, conn, veg	0.038
	5	.	BF, TAGR, CN, year, origin, conn, veg	0.036
	6	.	BF, TAGR, year, origin, conn, veg	0.030
	7	.	BF, TAGR, CN, year, conn, veg	0.030
	8	.	BF, CN, year, origin, conn, veg, hydro	0.029
	9	.	BF, CN, year, conn, veg, hydro	0.027
	10	.	TAGR, CN, year, origin, conn, veg	0.026
