

S7 Table. Ecological and life-history summaries for species in experimental study. Information about habitat use and breadth was collected by surveying scientists that have published papers on the focal species in this study. Geographic range area estimates were obtained from [82]. All other ecological and life history traits were collected at the species level by surveying 2 amphibian references [76-77] and 4 global databases [78-81]. We collected all information available from sources where species accounts were present for the traits of interest and combined them to obtain a median estimate of each trait for each species.

Species Name	Habitat Use (scale 1-5)*	Habitat Breadth (scale 1-3)**	Median adult body size (snout- vent-length in mm)	Median larval period (weeks)	Median age at sexual maturity (months)	Median lifespan (years)	Median number of eggs laid per year	Geographic range size (km²)
<i>Anaxyrus americanus</i>	2.72	2.58	80	1.75	48	10	10850	5600000
<i>Anaxyrus boreas</i>	3.2	2.6	100	2	48	8.5	9750	347500
<i>Anaxyrus fowleri</i>	2.8	2.79	68.5	1.5	24	4.5	9000	2035000
<i>Anaxyrus terrestris</i>	2.92	2.89	76	1.5	36	9	3250	547500
<i>Hyla squirella</i>	2.33	1.95	33	1.5	18	8.5	1000.5	730000
<i>Hyla versicolor</i>	2.86	2.25	46	1.5	24	8	1800	2265000
<i>Hyla wrightorum</i>	2	1.85	37.5	2	18	8.25	75	145000

<i>Lithobates catesbeianus</i>	4.22	1.54	116	19.5	36	8.5	24,743.5	4457500
<i>Lithobates clamitans</i>	3.83	2.03	80	19	36	5.5	4000	3672500
<i>Lithobates pipiens</i>	3.53	1.95	80.5	4	24	6.5	3974	5945000
<i>Lithobates sphenoccephalus</i>	3.38	2.2	75	2.75	20	4	3277	1965000
<i>Lithobates sylvaticus</i>	2.78	2.11	60	3	24	4	1650	40000
<i>Pseudacris crucifer</i>	2.96	2.32	29	2.25	24	3	890.5	3982500
<i>Pseudacris feriarum</i>	2.72	2.33	29.5	3.25	18	2	831.5	1430000
<i>Pseudacris ornata</i>	2.32	1.58	32.5	3.5	12	2.25	58	367500
<i>Pseudacris regilla</i>	2.92	2.47	35	2.5	18	3	575	1575000
<i>Pseudacris triseriata</i>	2.59	2.29	24.5	2.5	18	5	1000	3485000
<i>Rana aurora</i>	3.29	2.26	88	5	24	11.5	750	292500
<i>Rana cascadae</i>	3.46	2	65	2	48	6	550	115000
<i>Rana luteiventris</i>	3.4	2.25	70	4.5	42	8	1275	1315000

* Habitat use scale spanned from 1 (highly ephemeral) to 5 (permanent): (1) Dries within weeks with no or few small invertebrate predators, (2) dries every year with few small invertebrate predators, (3) dries every few years and occasionally has large invertebrate predators, (4) never dries and has large invertebrate predators, (5) never dries and has fish and large invertebrate predators.

** Habitat breadth spanned from 1 (only 1 type of habitat occupied) to 3 (the species exists in all habitats, or exhibits broader habitat usage across a range of habitat types).