

SUPPORTING INFORMATION

Appendix S1. Isotopic composition and foregut content C:N (by mass) of enclosed- and free-ranging anuran larvae in the study ponds (mean + SE). Sample size equals three unless otherwise specified. ¹ The values provided are absolute $\delta^{15}\text{N}$. $\delta^{15}\text{N}$ of free-ranging snails is 2.04 (SWW), 2.57 (WWB), 1.69 (FH), 2.26 (IND), 0.48 (CR), and 1.03 (SWS).

Pond	Species		$\delta^{13}\text{C}$				$\delta^{15}\text{N}^1$				Gut content C:N			
			Enclosures			Free-ranging	Enclosures			Free-ranging	Enclosures			Free-ranging
			A	B	C		A	B	C		A	B	C	
SWW	W	mean	-29.34	-30.48		-32.25	2.17	1.50		3.18	7.40	7.81		7.65
		SE	0.99	0.21		0.19 (N=5)	0.19	0.37		0.38 (N=5)	0.62	0.28		0.30 (N=5)
	L	mean	-29.29	-29.92			2.33	2.00			8.61	8.51		
		SE	0.40	0.31			0.26	0.11			0.32	0.29		
WWB	W	mean	-29.55	-31.00	-29.96	-30.99	1.65	1.92	2.02	4.03	8.63		8.73	9.08
		SE	0.92	0.13	0.21	0.15 (N=5)	0.20	0.25	0.38	0.37 (N=5)	1.05 (N=2)		0.36	0.40 (N=5)
	L	mean	-29.52				2.73							
		SE	0.86 (N=2)				0.07 (N=2)							
FH	W	mean	-31.84	-33.27	-34.94	-34.04	2.77	3.09	2.24	2.16	7.71	7.34	7.46	7.17
		SE	0.59	0.67	0.19	1.48 (N=2)	0.18	0.59	0.23	0.75 (N=2)	0.42	0.65	0.09	(N=1)
	L	mean	-33.63	-34.57	-35.91		1.91	2.56	3.10		7.17	7.38	7.33	
		SE	0.16	0.48	0.27		0.07	0.28	0.40		0.07	0.19	0.16	
IND	W	mean	-34.03	-34.54	-31.64		0.88	5.18	2.71		6.66	6.23	6.23	
		SE	0.51	0.26	0.08		0.34	0.61	0.16		0.08	0.28	0.05	
	L	mean	-34.44	-34.93	-34.16	-37.22	1.54	5.37	2.74	2.66	6.71	5.07	6.73	7.28
		SE	0.79 (N=6)	0.53	0.39	0.72 (N=5)	0.25 (N=6)	0.24	0.19	0.26 (N=5)	0.11	0.38	0.07	0.45 (N=5)
CR	B	mean	-25.42	-25.43	-25.07	-27.29	2.19	2.30	2.57	2.57	6.67	6.49	6.21	5.81
		SE	0.12	0.18	0.10	0.24 (N=7)	0.21	0.26	0.40	0.30 (N=7)	0.45	0.14	0.10	0.09 (N=7)
	G	mean	-24.85	-25.66	-25.45	-26.26	1.69	1.86	1.62	1.43	6.37	5.98	5.69	5.98
		SE	0.29	0.22	0.14 (N=4)	0.35 (N=8)	0.31	0.20	0.095 (N=4)	0.26 (N=8)	0.21	0.26	0.29	0.11 (N=8)
SWS	B	mean	-28.14	-25.32	-24.59	-25.68	2.89	3.39	3.34	2.47	6.38	7.09	6.46	6.49
		SE	0.07	0.47	0.03	0.23 (N=5)	0.10	0.24	0.20	0.13 (N=5)	0.18	0.26	0.15	0.15 (N=4)
	G	mean	-28.46	-25.75	-24.38	-28.80	2.41	2.96	2.83	2.22	6.17	6.52	6.01	5.99
		SE	0.16	0.62	0.17	0.50 (N=5)	0.20	0.25	0.11	0.28 (N=5)	0.01	0.23	0.03	0.16 (N=6)

Appendix S2. Diet of free-ranging anuran larvae as indicated by a qualitative gut content analysis under < 50X magnification (samples collected in 1996, 2000, 2001). Legend: + observed, ++ relatively common (observed in 25-50% of guts), +++ common (observed in 50-75% of guts), ++++ very common (observed in >75% of guts; items marked as ++++ were also dominant in volume). ¹ mostly amorphous, ² mostly duckweeds, ³ mostly Oxyuridae (parasitic), ⁴ mostly fragments

	WOOD FROG	WOOD FROG	WOOD FROG	LEOPARD FROG	GREEN FROG	BULLFROG
	closed-canopy	open-canopy	both	open-canopy	open-canopy	open-canopy
N individuals	11	2	13	8	11	9
Stages (Gosner 1960)	28-40	33-37	28-40	26-37	25-35	
Mass (mg)	up to 1000	up to 1858	up to 1858	up to 6682	up to 7200	up to 8310
N Ponds	5	1	6	1	3	2
Item						
detritus ¹	++++	++++	++++	+++ - +++++	++++	++++
algae - filamentous	+	+++	++	+++ - +++++	+++ - +++++	+++
algae - unicell and colonial	+	+	++	+	+	+++
diatoms	+	+	+	+	+	+++
higher plant fragments ²	+	+	++	+++	+++	
fungi - hyphae or spores	+++	+	+++		+	
Protozoans	+	+	+	++	++	+++
Rotifera	+		+			
Ostracoda	+++	+++	+++	++	+++	+++
Copepoda	+	+	+	++	+	++
Cladocera	+		+	+	+	++
Mollusca	+		+	+		
Nematoda ³	+	+	+			++
Insects ⁴		+	+	+++	+	+++