Amphibia-Reptilia

Feeding limitations in temperate anurans and the niche variation hypothesis

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Supplementary Material

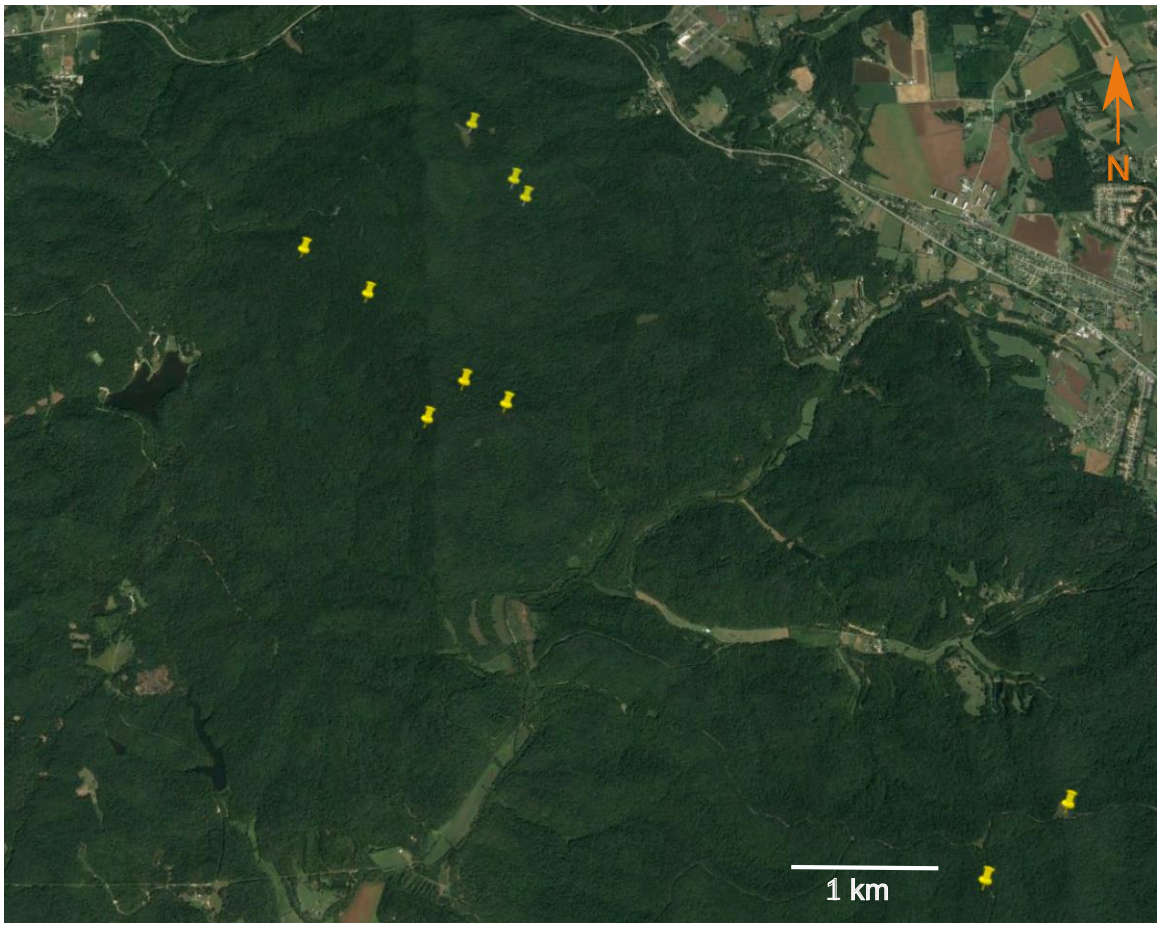

Figure S1. Map of Bernheim Arboretum and Research Forest with ponds used in this study marked with yellow pins. Made with Google Maps©.

Table S1. Welch' t test statistics testing for differences in proportional dissimilarity values (left) and gape width to body size ratios (right) between the sexes.

Proportional dissimilarity				Gape width to body size ratio			
Species	t	df	*p*	Species	t	df	*p*
Anaxyrus americanus	0.753	13.5	0.465	*Anaxyrus americanus*	-0.805	13.5	0.431
Anaxyrus fowleri	-0.737	14.75	0.473	*Anaxyrus fowleri*	-0.191	14.75	0.85
Rana catesbeiana	-0.362	44.55	0.72	*Rana catesbeiana*	2.007	44.55	0.06
Rana clamitans	2.006	71.08	0.08	*Rana clamitans*	-0.157	71.08	0.875
Rana sphenocephala	2.28	33.49	0.029	*Rana sphenocephala*	0.123	33.49	0.901

Table S2. Number of individuals captured from each species at each pond and the prey diversity found at each pond.

Species	Pond	N	Prey diversity
Anaxyrus americanus			
	Back-of-Nowhere	4	3.22
	Cattail Puddle	18	3.30
	Honeyhole	10	3.04
	Platform Pond	5	3.25
	Vernal Pond	7	3.41
	Wilson Road North	7	3.06
	Wilson Road South	6	3.02
Anaxyrus fowleri			
	Cattail Puddle	10	3.30
	Honeyhole	8	3.04
	Mud Pond	4	3.13
	Platform Pond	6	3.25
	Wilson Road North	3	3.06
	Wilson Road South	6	3.02
Rana catesbeiana			
	Back-of-Nowhere	13	3.22
	Cattail Puddle	10	3.30
	Mud Pond	6	3.13
	Platform Pond	11	3.25
	Vernal Pond	10	3.41
	Wilson Road North	3	3.06
	Wilson Road South	8	3.02
Rana clamitans			
	Back-of-Nowhere	13	3.22
	Mud Pond	8	3.13
	Platform Pond	9	3.25
	Tannin Pond North	9	2.87
	Tannin Pond South	14	2.98
	Wilson Road North	10	3.06
	Wilson Road South	12	3.02
Rana sphenocephala			
	Back-of-Nowhere	6	3.22
	Cattail Puddle	5	3.30
	Honeyhole	5	3.04
	Tannin Pond South	4	2.98
	Vernal Pond	3	3.41
	Wilson Road North	8	3.06
	Wilson Road South	7	3.02