

**Table S1**

<b>Amphibian Species</b>	<b>Odds ratio</b>	<b>95% C.I.</b>	<b>p value (<math>\alpha=.005</math>)</b>
Central Newt ( <i>N. viridescens</i> )	0.000	0.000; 1.206	0.058
Blanchards's Cricket Frog ( <i>A. crepitans</i> )	$\infty$	0.421; $\infty$	0.268
Gray Treefrog ( <i>H. versicolor/chrysoscelis</i> )	3.692	0.332; 199.6	0.362
Green Frog ( <i>R. clamitans</i> )	0.600	0.076; 3.768	0.694
Spring Peeper ( <i>P. crucifer</i> )	0.683	0.104; 4.645	0.694
Southern Leopard Frog ( <i>R. sphenoccephala</i> )	1.384	0.239; 8.936	0.717
Spotted Salamander ( <i>A. maculatum</i> )	1.107	0.078; 11.75	1
American Toad ( <i>B. americanus</i> )	$\infty$	0.016; $\infty$	1
Pickerel Frog ( <i>R. pulustris</i> )	$\infty$	0.016; $\infty$	1

**Table S2**

<b>Abiotic Predictor</b>	<b>Odds ratio</b>	<b>95% C.I.</b>	<b>Estimate</b>	<b>p value</b>
Sampling Date	0.939	0.833; 1.058	-0.063	0.302
Water Temperature	1.177	0.918; 1.511	0.163	0.199
Nearest Neighbor Pond Distance†	1.785	0.864; 3.686	0.579	0.117
Conductivity†	0.000	0.000; 594.3	-28.058	0.110
pH	0.193	0.026; 1.444	-1.644	0.109
Total Nitrogen†	0.316	0.074; 1.349	-1.152	0.120
Total Phosphorus†	0.050	0.001; 2.153	-2.988	0.119
† data were log transformed to improve normality				

**Table S3**

<b>Biotic Predictor</b>	<b>Odds ratio</b>	<b>95% C.I.</b>	<b>Estimate</b>	<b>p value</b>
Chlorophyll-a†	0.167	0.011; 2.513	-1.787	0.196
Total Amphibian Density†	0.854	0.439; 1.658	-0.158	0.641
<i>Rana sp.</i> Density†	0.856	0.470; 1.560	-0.155	0.612
<i>N. viridescens</i> Density†	1.202	0.564; 2.561	0.184	0.634
Total Zooplankton Density†	0.616	0.265; 1.433	-0.485	0.260
Simpson's Diversity (Amphibians)	0.088	0.001; 5.170	-2.430	0.242
Simpson's Diversity (Invertebrates)	51.844	0,583; 4,612.0	3.948	0.085
Simpson's Diversity (Zooplankton)	0.638	0.001; 532.58	-0.450	0.896
† Indicates data were log transformed to improve normality				