

Appendix. A summary of results for four forest management treatments according to region, species, and response variables. The means of each response variable are presented with the relative effect size¹(%) shown below. The resulting value was assigned a positive or negative sign depending on whether the effect would be expected to have beneficial (i.e., positive) or harmful (i.e., negative) consequences for population growth. Only statistically significant results indicating a main treatment effect or treatment interaction are presented and the source cited.

Region	Species	Forest Management Treatments				Source
	Response variable	Control	Partial	Clearcut-ret	Clearcut-rem	
Maine	<i>Ambystoma maculatum</i>					
	Adult captures (%)	37.2 0%	28.9 -22%	20.7 -44%	13.2 -65%	Patrick et al. (2006)
	Juvenile captures (%)	61.9 0%	20.1 -68%	11.0 -82%	7.0 -89%	Patrick et al. (2006)
	Juvenile recapture rate	5.67 0%	2.67 -53%	0.44 -92%	0.22 -96%	Patrick et al. (2008)
	Juvenile survival	0.05 0%	0.02 -60%	0.0 -100%	0.02 -60%	Todd et al. (unpubl. data)
	<i>Rana pipiens</i>					
	Mass at metamorphosis (g)	1.18 0%	1.02 -14%	1.83 +55%	1.83 +55%	Blomquist (2008)
	Larval survival	0.11 0%	0.13 +18%	0.32 +191%	0.32 +191%	Blomquist (2008)
	Habitat selection	-0.35 0%	-0.01 +34%	-0.29 +6%	0.45 +80%	Blomquist & Hunter (2009)
	Distance moved (m)	15.4 0%	8.4 -46%	8.4 -46%	6.7 -57%	Blomquist & Hunter (2009)

<i>Rana sylvatica</i>					
Adult captures (%)	51.2	26.5	11.0	11.3	Patrick et al. (2006)
	0%	-48%	-79%	-78%	
Juvenile captures (%)	40.2	30.8	14.7	14.3	Patrick et al. (2006)
	0%	-23%	-63%	-64%	
Body size (mm)	24.5	24.9	23.5	23.4	Patrick et al. (2006)
	0%	+1.6%	-4%	-4.5%	
Mass at metamorphosis (g)	0.78	0.72	0.55	0.55	Blomquist (2008)
	0%	-8%	-29%	-29%	
Larval survival	0.65	0.91	0.82	0.82	Blomquist (2008)
	0%	+40%	+26%	+26%	
Habitat selection	0.35	0.47	-0.11	-0.04	Blomquist & Hunter (2009)
	0%	+34%	-46%	-39%	
Breeding success	0.41	0.32	0.24	0.18	Blomquist & Hunter (2009)
	0%	-22%	-42%	-56%	
Missouri ²					
<i>Ambystoma maculatum</i>					
Juvenile survival	0.11	---	---	0.07	Todd et al. (unpubl. data)
	0%	---	---	-36%	
Adult survival	0.3	0.6	0.2	0.0	Todd et al. (unpubl. data)
	0%	+100%	-33%	-100%	
<i>Bufo americanus</i>					
Juvenile survival/pen	1.5	0.0	0.5	0.5	Harper (2007)
	0%	-100%	-66%	-66%	
<i>Hyla versicolor</i>					
Eggs oviposited	14068	13553	51990	77185	Hocking & Semlitsch (2007)
	0%	-4%	+270%	+449%	
Calling males/night	0.5	---	---	1.50	Hocking & Semlitsch (2007)
	0%	---	---	+200%	
Days to metamorphosis	43.3	---	---	26.3	Hocking & Semlitsch (2008)
	0%	---	---	+39%	

<i>Rana sylvatica</i>					
Juvenile survival/pen	2.75	5.75	1.0	1.0	Harper (2007)
	0%	+109%	-64%	-64%	
Adult relocations	427	412	230	185	Rittenhouse & Semlitsch (2009)
	0%	-4%	-46%	-57%	
South Carolina					
<i>Ambystoma opacum</i>					
Juvenile survival	0.07	0.00	0.01	0.00	Todd et al. (unpubl. data)
	0%	-100%	-86%	-100%	
Water loss 48 hrs (%)	10.5	11	16.5	16.5	Todd et al. 2008
	0%	-4.7%	-57%	-57%	
Adult survival	0.19	0.23	0.00	0.00	Todd et al. (unpubl. data)
	0%	+21%	-100%	-100%	
<i>Ambystoma talpoideum</i>					
Juvenile survival/pen	5	4	2	2	Rothermel & Luhring (2005)
	0%	-20%	-60%	-60%	
Water loss 36 hrs (%)	6.92	4.68	14.7	10.7	Rothermel & Luhring (2005)
	0%	+32%	-112%	-55%	
Water loss 48 hrs (%)	3	3	6	5	Todd et al. 2008
	0%	0%	-100%	-67%	
Emigration	0.47	0.29	0.18	0.08	Todd et al. (in review)
	0%	-38%	-62%	-83%	
<i>Bufo terrestris</i>					
Juvenile survival	0.61	---	---	0.17	Todd & Rothermel (2006)
	0%	---	---	-72%	
Juvenile growth	30.3	---	---	27.9	Todd & Rothermel (2006)
	0%	---	---	-8%	
Immigration (4th yr)	0.31	0.37	0.21	0.12	Todd et al. (2009)
	0%	+19%	-32%	-61%	
Emigration (4th yr)	0.32	0.37	0.20	0.12	Todd et al. (2009)
	0%	+16%	-38%	-62%	

¹ Relative effect size was calculated by subtracting the mean of each treatment by the mean of the control, dividing the result by the control, and multiplying by 100.

² The clearcut-removed treatment in Missouri consisted of harvesting all trees (>25 cm DBH) and leaving unmarketable trees standing and girdled to lower CWD on the ground but without removing CWD.