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Wildlife Research

Supplementary Material

Estimating the effectiveness of using wildlife cameras versus visual-encounter surveys to detect herpetofauna

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Table S1. Snout to vent length (SVL) of snakes and masses of snakes and frogs used to test camera traps.

Group	Species	SVL (cm)	Mass (g)
Snakes	<i>Diadophis punctatus</i>	25.5	6.5
	<i>Lampropeltis getula</i>	100.3	470.0
	<i>Pantherophis alleghaniensis</i>	41.5	16.0
	<i>Pantherophis guttatus</i>	140.0	783.0
	<i>Storeria occipitomaculata</i>	10.7	2.8
Frogs	<i>Rana capito</i> , A1	NA	53.5-59.7
	<i>Rana capito</i> , A2	NA	64.3-70.2
	<i>Rana capito</i> , J1A	NA	13.0
	<i>Rana capito</i> , J1B	NA	12.8
	<i>Rana capito</i> , J6A	NA	10.8
	<i>Rana capito</i> , J6B	NA	10.0

Table S2. The number of independent observations of herpetofauna species made by camera or visual encounter surveys in Alapaha River WMA, Irwin County, GA, USA over 12 months.

Group	Scientific name	Common name	Number of observations	
			Drift fence/ camera	VES/cover object
Reptiles	<i>Coluber constrictor</i>	black racer	189	4
	<i>Crotalus adamanteus</i>	eastern diamondback rattlesnake	4	0
	<i>Diadophis punctatus</i>	southern ring-necked snake	0	1
	<i>Drymarchon couperi</i>	eastern indigo snake	0	1
	<i>Heterodon platirhinos</i>	eastern hognose snake	19	0
	<i>Masticophis flagellum</i>	coachwhip	38	1
	<i>Nerodia erythrogaster</i>	common water snake	1	0
	<i>Pantherophis alleghaniensis</i>	eastern rat snake	7	0
	<i>Pantherophis guttatus</i>	red corn snake	2	0
	<i>Pituophis melanoleucus</i>	Florida pine snake	1	0
	<i>Anolis carolinensis</i>	green anole	75	26
	<i>Aspidoscelis sexlineatus</i>	six-lined racerunner	178	3
	<i>Plestiodon egregius</i>	mole skink	4	0
	<i>Plestiodon laticeps</i>	broadhead skink	13	2
	<i>Plestiodon spp.</i>	skink species	36	1
	<i>Sceloporus undulatus</i>	eastern fence lizard	224	40
	<i>Scincella lateralis</i>	ground skink	25	53
	<i>Gopherus polyphemus</i>	gopher tortoise	2	19
	<i>Terrapene carolina</i>	eastern box turtle	1	2
	Amphibians	<i>Ambystoma tigrinum</i>	tiger salamander	1
<i>Eurycea quadridigitata</i>		southeastern dwarf salamander	0	1
<i>Acris gryllus</i>		southern cricket frog	0	2
<i>Anaxyrus quercicus</i>		oak toad	1	1
<i>Anaxyrus terrestris</i>		southern toad	2	0
<i>Gastrophryne carolinensis</i>		eastern narrow-mouthed toad	0	1
<i>Hyla femoralis</i>		pine woods treefrog	0	2
<i>Lithobates catesbeiana</i>		bullfrog	1	0
<i>Lithobates sphenoccephalus</i>		southern leopard frog	1	0
<i>Pseudacris crucifer</i>		spring peeper	1	0
<i>Pseudophilautus ocularis</i>		little grass frog	0	4
<i>Scaphiopus holbrookii</i>		eastern spadefoot toad	7	0
Total			833	164