
CAUDATA

DENSITY - What typical population density could you expect for the species in a hectare of ideal habitat?

Species	Common Name	Density
Cryptobranchidae	Giant Salamander	
<i>Cryptobranchus a. alleganiensis</i>	Eastern Hellbender	1-6 / 100m ² of stream in 4 populations in AR and MO (Peterson et al. 1988). N. fork of White River in MO has estimated 428 mature ind./km of stream (Nickerson and Mays 1973). 10 / 80-100m ² in optimal riffle habitats (Petranka 1998).
Sirenidae	Sirens	
<i>Siren i. intermedia</i>	Eastern Lesser Siren	1.1 <i>S. i. nettingi</i> /m ² in TX (Gehlbach and Kennedy 1978)
<i>Siren lacertina</i>	Greater Siren	Unk
Amphiumidae	Congo Eels	
<i>Amphiuma means</i>	Two-toed Amphiuma	Unk
Proteidae	Waterdogs	
<i>Necturus m. maculosus</i>	Common Mudpuppy	382 / 700m of river in OH (Matson 1988)
<i>Necturus punctatus</i>	Dwarf Waterdog	Unk
Salamandridae	True Salamanders	
<i>Notophthalmus v. viridescens</i>	Red-spotted Newt	0.2 - 0.26 adults / sq m (Burton 1977), 0.16 - 2.5 adults / sq m (Morin 1983), 1adult / sq m (Bellis 1968), 0.03 efts / sq m of forest floor (Healy 1975)
Ambystomatidae	Mole Salamanders	
<i>Ambystoma barbouri</i>	Streamside Salamander	Unk
<i>Ambystoma jeffersonianum</i>	Jefferson Salamander	Unk
<i>Ambystoma laterale</i>	Blue-spotted Salamander	15 and 12 hatchlings/m ² in two study pops in MI, up to 158 hatchlings/m ² in pools (Van Buskirk and Smith 1991)
<i>Ambystoma mabeei</i>	Mabee's Salamander	Unk
<i>Ambystoma maculatum</i>	Spotted Salamander	Unk
<i>Ambystoma opacum</i>	Marbled Salamander	Unk
<i>Ambystoma talpoideum</i>	Mole Salamander	Unk
<i>Ambystoma texanum</i>	Small-mouthed Salamander	Unk
<i>Ambystoma t. tigrinum</i>	Eastern Tiger Salamander	Unk
Plethodontidae	Lungless Salamanders	
<i>Aneides aeneus</i>	Green Salamander	Unk
<i>Desmognathus auriculatus</i>	Southern Dusky Salamander	Unk

<i>Desmognathus f. fuscus</i>	Northern Dusky Salamander	0.75 - 0.78 /m2 in PA (Hall 1977)
<i>Desmognathus marmoratus</i>	Shovel-nosed Salamander	6 /m2 (Martof 1962)
<i>Desmognathus monticola</i>	Seal Salamander	2.2-3.5 m2 in optimal habitats (Bruce 1995)
<i>Desmognathus ochrophaeus</i>	Allegheny Mountain Dusky Salamander	0.62 - 1.07 sq m in PA (Orr 1989)
<i>Desmognathus orestes</i>	Blue Ridge Dusky Salamander	Unk
<i>Desmognathus quadramaculatus</i>	Black-bellied Salamander	5.6 - 11.7 sq m (David and Orr 1987)
<i>Desmognathus welteri</i>	Black Mountain Salamander	Unk
<i>Desmognathus wrighti</i>	Pygmy Salamander	Unk
<i>Eurycea bislineata</i>	Northern Two-lined Salamander	0.5-0.8 larva/m2, 0.02-0.04 adults/m2 in NH (Burton and Likens 1975); 10.5 larva/m2, 11 adults/m2 in NY pops (Stewart 1968)
<i>Eurycea cirrigera</i>	Southern Two-lined Salamander	0.5-0.8 larva/m2, 0.02-0.04 adults/m2 in NH (Burton and Likens 1975); 10.5 larva/m2, 11 adults/m2 in NY pops (Stewart 1968)
<i>Eurycea guttolineata</i>	Three-lined Salamander	Unk
<i>Eurycea l. longicauda</i>	Long-tailed Salamander	Unk
<i>Eurycea lucifuga</i>	Cave Salamander	Unk
<i>Eurycea wilderae</i>	Blue Ridge Two-lined Salamander* filled in with same info as E. bislineata and E. cirrigera because recently split and little new info. specifically for this sp.	0.5-0.8 larva/m2, 0.02-0.04 adults/m2 in NH (Burton and Likens 1975); 10.5 larva/m2, 11 adults/m2 in NY pops (Stewart 1968)
<i>Gyrinophilus p. duryi</i>	Kentucky Spring Salamander	Unk
<i>Gyrinophilus p. porphyriticus</i>	Northern Spring Salamander	Up to 5-10 larvae/m2 of streambed in some VA streams (Resetarits 1991, 1995)
<i>Gyrinophilus subterraneus</i>	West VA Spring Salamander	Unk
<i>Hemidactylium scutatum</i>	Four-toed Salamander	Unk
<i>Plethodon chlorobryonis</i>	Atlantic Coast Slimy Salamander	Unk
<i>Plethodon cinereus</i>	Eastern Red-backed Salamander	>1000 (Heatwole 1962, Burton and Likens 1975, Klein 1960)
<i>Plethodon cylindraceus</i>	White-spotted Slimy Salamander	Unk
<i>Plethodon electromorphus</i>	Northern Ravine Salamander	Unk
<i>Plethodon g. glutinosus</i>	Northern Slimy Salamander	0.52-0.81/m2 in MD and PA (Semlitsch 1980, Petranka 1998)
<i>Plethodon hoffmani</i>	Valley and Ridge Salamander	Unk
<i>Plethodon hubrichti</i>	Peaks of Otter Salamander	Average of 4.5/m2 (Kramer et al. 1993)
<i>Plethodon jordani</i>	Jordan's Salamander	0.18-0.86/m2 (Ash 1988, Petranka 1998)
<i>Plethodon kentucki</i>	Cumberland Plateau Salamander	<0.2/m2 (Marvin 1996)
<i>Plethodon nettingi</i>	Cheat Mountain Salamander	Unk

<i>Plethodon punctatus</i>	Cow Knob Salamander	Unk
<i>Plethodon richmondi</i>	Ravine Salamander	Unk
<i>Plethodon shenandoah</i>	Shenandoah Salamander	Unk
<i>Plethodon ventralis</i>	Southern Zigzag Salamander	Unk
<i>Plethodon virginia</i>	Shenandoah Mountain Salamander	Unk
<i>Plethodon wehrlei</i>	Wehrle's Salamander	1000/ha in PA (Hall and Stafford 1972)
<i>Plethodon welleri</i>	Weller's Salamander	Unk
<i>Plethodon yonahlossee</i>	Yonahlossee Salamander	Unk
<i>Pseudotriton m. montanus</i>	Eastern Mud Salamander	Unk
<i>Pseudotriton m. diastictus</i>	Midland Mud Salamander	Unk
<i>Pseudotriton r. ruber</i>	Northern Red Salamander	Unk
<i>Pseudotriton r. nitidus</i>	Blue Ridge Red Salamander	Unk
<i>Stereochilus marginatus</i>	Many-lined Salamander	Unk

Density Codes: State as < 10, 11-50, 51-100, 101-1000, or > 1000 individuals, Unk = unknown