

Table 2. References for the density parameter used in model showing a typical range of values

Species	Habitat	Location	Density, no. per hectare	Ref.
<i>Blarina brevicauda</i>	Grasslands	IL	2-50 (mean 25)	1
<i>Blarina brevicauda</i>	NA*	PA	2-24	2
<i>Blarina brevicauda</i>	Beech/maple climax	PA	120	3
<i>Blarina brevicauda</i>	NA	NA	1.6-121	4
<i>Blarina brevicauda</i>	Varied	ME	7	5
Density used:			25.00	
<i>Didelphis virginiana</i>	NA	KS	0.123	6
<i>Didelphis virginiana</i>	Coastal pine/hardwood forest	TX	0.17-0.625	7
<i>Didelphis virginiana</i>	NA	NA	0.2-2.5	8
<i>Didelphis virginiana</i>	Beech/maple climax	PA	0.07-0.014	3
<i>Didelphis virginiana</i>	NA	PA	0.1-1	2
<i>Didelphis virginiana</i>	Oak/hickory forest	IL	0.9-2.5	9, 10
Density used:			1.00	
<i>Mephitis mephitis</i>	Beech/maple climax	PA	0.22	3
<i>Mephitis mephitis</i>	Most often in this range	NA	0.007-0.185	11
<i>Mephitis mephitis</i>	Pine/hardwoods & farms	VA	0.111	12
<i>Mephitis mephitis</i>	NA	PA	0.01-0.09	2
<i>Mephitis mephitis</i>	Oak/hickory forest	MI	0.22	13
Density used:			0.05	
<i>Procyon lotor</i>	Suburbs	OH	0.68	14
<i>Procyon lotor</i>	River bottomlands	IL	0.2	15
<i>Procyon lotor</i>	Rural	USA [†]	0.251	16
<i>Procyon lotor</i>	Varied	NA	0.2-0.023	17
<i>Procyon lotor</i>	NA	PA	0.02 - 0.2	2
<i>Procyon lotor</i>	Beech/maple climax	PA	0.37 - 0.45	3
Density used:			0.20	
<i>Sciurids</i>	Continuous forest	Southeast OH	1.4	18
<i>Sciurids</i>	Continuous forest	Southeast OH	3.211	19

<i>Sciurids</i>	Continuous forest	NC	<3-21	20
<i>Sciurus carolinensis</i>	Woodlot	NA	6.5	21
<i>Sciurus carolinensis</i>	Oak/hickory woodlot	USA	15.9	22
<i>Sciurus carolinensis</i>	Oak/hickory forest	IL	3.7	23
<i>Sciurus carolinensis</i>	Oak/hickory forest	USA	11.1-14.1	24
<i>Sciurus carolinensis</i>	NA	PA	5-50	2
<i>Sciurus carolinensis</i>	Beech/maple climax	PA	0.07-2.4	3
<i>Sciurus carolinensis</i>	Mixed deciduous forests	Canada	4.4	25
<i>Sciurus carolinensis</i>	Oak wood	England [‡]	8.1	26
<i>Sciurus carolinensis</i>	Mixed deciduous forests	USA	2-16	26
<i>Tamiasciurus hudsonicus</i>	"Good habitat"	USA	7-8	4
<i>Tamiasciurus hudsonicus</i>	NA	NA	0.3-2	26
<i>Tamiasciurus hudsonicus</i>	Hardwoods	US	1.8-4.6	27
Density used (red and gray squirrels combined):			8.1 [§]	
<i>Sorex</i> [¶]	NA	PA	3-124	28
<i>Sorex cinereus</i>	Varied	ME	20.2	5
<i>Sorex cinereus</i>	NA	PA	3-25	29
<i>S. cinereus</i> and <i>S. fumeus</i>	Deciduous forest	Southwest PA	4 -19	29
<i>Sorex fumeus</i>	NA	PA	2-15	2
<i>Sorex fumeus</i>	Climax forest	NA	143	30
<i>Sorex fumeus</i>	"Good habitat"	NY	24	28
<i>Sorex fumeus</i>	Beech forest	NY	22-35	28
<i>Sorex fumeus</i>	General density	Western NY	12-15	28
<i>Sorex dispar</i>	NA	PA	5	2
Density used (all <i>Sorex</i> species) :			25.00	

*Not available

[†]Based on 22 studies in North America

[‡]Mean peak summer density over 10 years

[§]Due to the importance of this parameter in the model, we consulted with M. Steele, who confirmed that this was a typical moderate density for the habitat (personal communication).

[¶]*Sorex* shrews captured at the Institute of Ecosystem Studies may include cryptic species *Sorex cinereus*, *Sorex fumeus*, and possibly *Sorex dispar*.

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