

**Table S1.** Raccoon density index (RDI) and capacity of support (K) based on field studies and estimates based on expert opinion (E.O.; T. Buchanan and L. Nituch). K values were calculated by multiplying the RDI value for each land variable by 10.

Land variable	RDI (number of raccoons per km <sup>2</sup> )	Capacity of support (K) used in model landscape	Source
Single variable grid cells			
Coniferous forest	2.9	29	[18]
Deciduous forest	3.4	34	[20]
Elevation above 500 m	1.0	10	[18]
Exposed land / Barren	3.4	34	[20] and E.O.
Grassland	3.4	34	[20] and E.O.
Mixed forest	3.2	32	Average of densities reported for coniferous and deciduous forests as reported by [18] and [20]
Pasture	5.1	51	[19] and E.O.
Shrubland	3.4	34	[20] and E.O.
Urban	18	180	[18]
Peri-urban	19	190	[18]
Water	0	0	[18]
Wetland	3.4	34	[20] and E.O.
Cultivated cropland: Corn	13.6	136	[20] and E.O.
Other cultivated cropland <ul style="list-style-type: none"> <li>■ Agriculture (undifferentiated)</li> <li>■ Barley</li> <li>■ Greenhouses</li> <li>■ Oats</li> <li>■ Orchards</li> <li>■ Other vegetables</li> <li>■ Rye</li> <li>■ Soybeans</li> <li>■ Tobacco</li> <li>■ Vineyards</li> <li>■ Wheat</li> </ul>	12.5	125	[19] and E.O.
Variable combinations per grid cell			
Corn + deciduous + peri-urban	30	300	[19] and E.O.

Corn + deciduous + peri-urban + urban	30	300	[19] and E.O.
Corn + deciduous + urban	27	270	[19] and E.O,
Deciduous + peri-urban	25	250	[19] and E.O.
Deciduous + peri-urban + urban	25	250	[19] and E.O.
Deciduous + urban	21	210	[19] and E.O.
Corn + deciduous	18	180	[20] and E.O.