

Appendix 3. Characterization of the owl species' distribution according to the biogeographic provinces in which they are distributed, range size and altitudinal range.

Species	SMOr	SMOc	TVB	SMS	NCAH	CR-Pan	Range size (km ²)	Range size category	Altitudinal range	Altitudinal values (Q1, Median, Q3)	Altitudinal range category
<i>Tyto alba</i>	X	X	X	X	X	X	372,240	Large	75 – 3000	(150, 925, 1888)	Generalists
<i>Psiloscoops flammeolus</i>	X	X	X	X			97,240	Intermediate	750 – 3330	(1498, 2068, 2362)	Mid-elevations
<i>Megascops kennicottii</i>		X					190,310	Large	475 – 3310	(954, 1707, 2122)	Generalists
<i>Megascops asio</i>	X						59,640	Intermediate	95 – 2250	(189, 468, 1405)	Generalists
<i>Megascops cooperi</i>					X	X	30,570	Intermediate	20 – 1410	(42, 169, 496)	Lowlands
<i>Megascops trichopsis</i>	X	X	X	X	X	X	175,380	Intermediate	560 – 3420	(1119, 1708, 2103)	Mid-elevations
<i>Megascops barbarus</i>					X		7,700	Small	1145 – 2915	(1494, 1800, 2236)	Mid-elevations
<i>Megascops seductus</i>			X	X			21,150	Small	330 – 2115	(649, 1076, 1429)	Lowlands
<i>Megascops clarkii</i>						X	3,440	Small	830 – 2640	(1090, 1378, 1817)	Mid-elevations
<i>Megascops choliba</i>						X	10,760	Small	40 – 1775	(76, 263, 778)	Lowlands
<i>Megascops vermiculatus</i>						X	12,850	Small	35 – 1815	(63, 182, 655)	Lowlands
<i>Megascops guatemalae</i>	X	X		X	X	X	162,220	Intermediate	35 – 2215	(73, 344, 900)	Lowlands
<i>Bubo virginianus</i>	X	X	X	X	X	X	305,350	Large	450 – 3350	(887, 1562, 2025)	Generalists
<i>Pulsatrix perspicillata</i>			X	X	X	X	63,900	Intermediate	20 – 1520	(46, 162, 386)	Lowlands
<i>Strix squamulata</i>	X	X	X	X	X	X	240,310	Large	30 – 2025	(59, 286, 884)	Lowlands
<i>Strix nigrolineata</i>	X		X	X	X	X	103,360	Intermediate	20 – 2380	(48, 217, 639)	Lowlands
<i>Strix occidentalis</i>		X	X				93,360	Intermediate	690 – 3400	(1376, 1941, 2286)	Mid-elevations
<i>Strix fulvescens</i>				X	X		33,620	Intermediate	485 – 2430	(961, 1298, 1688)	Mid-elevations
<i>Strix sartorii</i>	X	X	X	X			41,720	Intermediate	620 – 3420	(1225, 1762, 2198)	Mid-elevations
<i>Lophostrix cristata</i>			X	X	X	X	122,370	Intermediate	30 – 2680	(69, 245, 707)	Lowlands
<i>Glaucidium gnoma</i>	X	X	X	X			128,900	Intermediate	675 – 3465	(1346, 1893, 2273)	Mid-elevations
<i>Glaucidium cobanense</i>					X		12,730	Small	975 – 2815	(1414, 1670, 2036)	Mid-elevations
<i>Glaucidium costaricanum</i>						X	2,980	Small	975 – 2710	(1296, 1560, 1965)	Mid-elevations
<i>Glaucidium sanchezi</i>	X						8,890	Small	270 – 2285	(492, 1148, 1468)	Mid-elevations
<i>Glaucidium palmarum</i>		X	X	X			63,170	Intermediate	170 – 2455	(339, 818, 1320)	Lowlands
<i>Glaucidium griseiceps</i>			X	X	X	X	78,810	Intermediate	30 – 1560	(65, 196, 486)	Lowlands
<i>Glaucidium ridgwayi</i>	X	X	X	X	X	X	202,170	Large	20 – 2120	(48, 260, 782)	Lowlands
<i>Micrathene whitneyi</i>	X	X	X	X			178,090	Intermediate	170 – 2700	(345, 1151, 1736)	Generalists
<i>Athene cucularia</i>	X	X	X	X	X	X	231,710	Large	330 – 3130	(655, 1466, 1965)	Generalists
<i>Aegolius acadicus</i>	X	X	X	X			51,480	Intermediate	1060 – 3400	(2118, 2342, 2522)	Highlands
<i>Aegolius ridgwayi</i>					X	X	9,910	Small	1270 – 2930	(1672, 2152, 2259)	Highlands
<i>Asio stygius</i>	X		X	X	X		207,780	Large	80 – 3150	(164, 874, 2011)	Generalists
<i>Asio otus</i>	X	X	X				199,970	Large	750 – 3410	(1482, 1861, 2161)	Mid-elevations
<i>Asio clamator</i>					X	X	102,590	Intermediate	20 – 1250	(41, 138, 331)	Lowlands
<i>Asio flammeus</i>	X	X	X				190,450	Large	600 - 3350	(1196, 1594, 2046)	Mid-elevations

† Biogeographic provinces are abbreviated as: Sierra Madre Oriental (SMOr), Sierra Madre Occidental (SMOc), Transmexican Volcanic Belt (TVB), Sierra Madre del Sur (SMS), Nuclear Central American Highlands (NCAH) and Costa Rica – Panama Highlands (CR-Pan).

† Range size categories: Small (<20,000 km²), Intermediate (<180,000 km², >20,000 km²) and Large (>180,000 km²).

† Altitudinal range categories: Highlands (upper quartile 2100m), Mid-elevations (<2100 m, >1100 m), Lowlands (lower quartile 1100 m) and Generalists (difference between Q3 and Q1 > 1000m).