

Biodiversity model parameters applied to the Brazilian Cerrado

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This document summarizes the data used to parameterize the Polasky et al (2008) biodiversity model, which was applied to our study area in southeastern Brazil. The model predicts terrestrial species probability of persistence and species richness for a given landscape using three species-specific traits: (a) habitat suitability, (b) the amount of habitat required for a breeding pair, and (c) the ability of the species to move between patches of habitat.

For a summary of the biodiversity model, refer to documentation provided on The Nature Conservancy website (listed above) and to Polasky et al (2008).

Target species

Because of data availability, we modeled bird and mammal species only. We identified species likely to occur in the study region based on species distribution models and maps, field observations and on-the-ground surveys in our study area (Table 1). Our initial list included 701 species, which we narrowed to 554 birds and mammals whose modeled distributions overlapped 100% of the study area. In addition, we included 48 species whose distributions or occurrences overlapped $\geq 50\%$ of the project area and 11 species whose IUCN status rankings were Critically Endangered, Endangered, Near Threatened or Vulnerable. We eliminated a select number of mammals and birds considered unlikely to occur in the region based on feedback by taxonomic experts familiar with the system (Pedro Develey and Emerson Monteiro Vieira, *personal communication*). This selection process led to a final selection of 539 species (407 birds and 132 mammals) included in our analysis. Of these species, 91% have an IUCN status of Least Concern, 4% Near Threatened, 2% Vulnerable, 1% Endangered, less than 1% Critically Endangered, and 1% whose status was unknown (Table 2).

Species habitat suitability

Habitat suitability for birds and mammals was determined from BirdLife International (2013) IUCN Red List for Birds, the IUCN Red List of Threatened Species (Version 2012.2) and its associated IUCN Habitat Classification Scheme (Version 3.0). We applied the IUCN habitat classifications that best matched land cover classes in the region. For each target species, land cover classes were assigned a habitat suitability score between 0 and 1, where 1 = primary habitat for breeding and foraging, 0.5 =

suitable habitat for breeding and foraging, 0.2 = marginal habitat that may be used for movement and potentially foraging resources, and 0 = unsuitable habitat (i.e., not used for foraging or movement). These values were initially assigned based on the designations by IUCN (2012) and BirdLife International (2013) for species, as follows:

- 1 was assigned to “Major” = the habitat is suitable, and is important for the survival of the species, either because it has an absolute requirement for the habitat at some point in its life cycle or it is primary habitat within which the species usually occurs or within which most individuals occur;
- 0.5 was assigned to “Suitable” = the species occurs in the habitat regularly or frequently;
- 0.2 was assigned to “Marginal” = the species occurs in the habitat only irregularly or infrequently, or only a small proportion of individuals are found in the habitat.

Final adjustments to species habitat suitability scores were based on field guides (Ridgely & Tudor 1989, 1994; Eisenberg & Redford 1999; van Perlo 2009; Gwynne et al. 2010), species fact sheets from BirdLife International (2013), and review by Brazilian taxonomic experts (Table 3).¹ We also distinguished whether not a species is water-dependent ($W = 1$ if a species is dependent on open-water bodies for breeding or foraging, = 0 otherwise). Water dependency is based on expert opinion of authors and taxonomic experts (Sekercioglu et al., 2004; Sekercioglu 2012).

Species area requirements and dispersal distances

Species area requirements (measured in square meters) and dispersal abilities (in meters) were derived from allometric relationships from body size, diet guild, and/or home range size (Harestad & Bunnell 1979; Linstedt et al. 1986; Sutherland et al. 2000). We relied on body mass (in grams) and trophic level (herbivore, omnivore, and carnivore) for birds and mammals from global databases (Davidson et al. 2009; Jones et al. 2009; Sekercioglu et al. 2004; Sekercioglu 2012) and field guides (Silva & Downing 1995; Dunning 2008). Birds and mammals were classified as herbivores if they fed primarily on plant substances (i.e., fruits, nectar, and seeds), classified as omnivores if they fed primarily on both plant substances and animals (including insects), and carnivores if they fed primarily on animals or insects. Insectivorous birds were designated as omnivores if field guides or databases also indicated plant substances (e.g., fruits, seeds) in their diets.

Home range size

The areal amount required for a breeding pair was determined based on species' estimated home ranges. For birds and bats, we calculated home range sizes per trophic level based on allometric relationships between body mass (Dunning 1993; Davidson 2009; Jones et al. 2009; Sekercioglu et al., 2004; Sekercioglu 2012) and territory size established by Schoener (1968) (Table 4). We used estimates for avian home range sizes (proxied by territory size) determined for a breeding pair. We calculated home range

¹ Habitat importance definitions from BirdLife International can be found at <http://www.birdlife.org/datazone/info/spchabalt>.

sizes for mammals (with the exception of bats) based on their trophic level using the allometric (power-law) relationships between body mass and home range size, as determined by Lindstedt et al. (1986) and Harestad and Bunnell (1979) (Table 4).² Given that allometric equations for mammalian home range sizes were based on a single individual, we doubled the resulting range sizes for the areal amount required for a breeding pair.

Dispersal distance

We calculated median dispersal distances for birds and mammals using equations by Sutherland et al. (2000) (Table 5). Dispersal distances were based on natal dispersal and determined by trophic level. Based on guidance from experts, we applied the bird dispersal distance equations to bat species.

Minimum viable population size

In order to convert the estimated number of breeding pairs into probabilities of species persisting in the landscape, the biological model uses a saturating function that includes a constant informed by minimum viable population (MVP) sizes. Given the lack of available species-specific estimates, we relied on empirical syntheses of MVPs across other bird and mammal species (Brook et al. 2006; Reed et al. 2003) and a meta-analysis of 30 years of published data (Traill et al. 2007). Because published MVP estimates were not statistically related to trophic level and were not found to differ significantly by taxa, we applied a uniform MVP value for both birds and mammals – 5000 individuals or 2500 breeding pairs – for a 90% to 95% probability of persistence across 40 generations, respectively.

Limitations and caveats

We relied on allometric equations to obtain key model parameters: home range size and dispersal distance. Allometric equations describe general patterns, which vary by species and their respective life history traits (e.g. age, life stage, sex, social, migratory and trophic level, and physical condition), and can vary by region, time of year, and landscape status (e.g., habitat productivity), among other factors. Given that we applied equations informed by temperate species for home range size and dispersal abilities, there is uncertainty whether these estimates are accurate for tropical species in our study region. We suspect that home ranges and dispersal distances for the species in our system are smaller than those from the temperate regions. It is also uncertain how well allometric equations estimate home range sizes for social or cooperative species such as those found in herds. To determine dispersal ability, we relied on relationships for natal dispersal, which tends to over-estimate species' regular movement patterns. This inference was necessary as limited data exist to inform daily movement estimates. Given these factors, our predictions of species' probabilities of persistence are likely conservative estimates.

² Home range size for mammals is defined as the area over which an individual animal forages.

Parameter values

The parameter values used for each of the 539 modeled bird and mammal species are provided in Table 6: whether or not a species is water dependent; the species mass (in grams); estimated home range size required for a breeding pair (HR, in hectares); estimated median natal dispersal distance (DD in meters); and IUCN status (CE=critically endangered, E=endangered, V=vulnerable, NT=near threatened, LC=least concern, and DD =data deficient); and trophic level (H=herbivore, O=omnivore, C=carnivore).

A summary of body size, home range and dispersal distance estimates for birds and mammals by diet trophic level is presented in Tables 7 and 8; the habitat suitability values for each species by landcover/landuse type are given in Table 9.

The frequency distributions of body size, home range and dispersal distance estimates for all modeled species are shown in Figures 1 and 2.

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Tables

Table 1. Data sources used to identify target species included in modeling (listed by taxonomic group).

	IUCN distribution maps ¹	NatureServe distribution maps ²	BirdLife International distribution maps ³	WWF Cerrado planning watersheds ⁴	eBIRD Reference Dataset ⁵	SVAA Environmental Impact Assessment ⁶	Total modeled species
Birds		✓	✓	✓	✓	✓	407
Mammals	✓	✓		✓		✓	132

1. IUCN (2012). IUCN Red List of Threatened Species, version 2012.2. Available at: www.iucnredlist.org (Accessed: 11/16/2012).
2. B. D. Patterson et al. (2007). Digital distribution maps of the mammals of the western hemisphere, version 3.0. NatureServe, Arlington, Virginia.
3. BirdLife International, & NatureServe. (2012). Bird species distribution maps of the world, version 2.0. Cambridge, UK & Arlington, Virginia: BirdLife International& NatureServe. (Accessed: 11/16/2012).
4. WWF, Species Distribution Modeling in the Cerrado. Species locations in the WWF conservation planning efforts were assigned at the watershed (catchment) level and potential presence was assigned if any portion of the watershed overlapped with the project region. Available at: mapas.mma.gov.br/i3geo/datadownload.htm?alvo_cer_pan_aves.
5. eBird. 2012. eBird: An online database of bird distribution and abundance [web application]. Ithaca, New York. Available at: <http://www.ebird.org>. (Accessed: 11/16/2012).
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Table 2. IUCN status¹ for each taxonomic group.

	Critically Endangered	Endangered	Near Threatened	Vulnerable	Least Concern	Data Deficient Or Unknown	Total
Birds	1	3	12	7	384	0	407
Mammals	0	3	10	3	110	6	132
Total	1	6	23	10	494	6	539

1. Descriptions of IUCN categories and criteria found at: <http://www.iucnredlist.org/technical-documents/categories-and-criteria>.

Table 3. Average (\pm SD) habitat suitability values by land cover type (scaled from 0 (minimum) to 1 (maximum)). “Count” refers to the number of species that can be found in a specific habitat type (i.e. habitat suitability > 0).

Land cover type	Birds (n=407)			Mammals (n=132)		
	Count	Mean	SD	Count	Mean	SD
Cerrado	302	0.62	0.27	116	0.55	0.28
Cerradao	283	0.75	0.31	121	0.83	0.25
Forest	277	0.76	0.31	122	0.90	0.21
Wetlands	193	0.65	0.34	94	0.31	0.21
Crops	82	0.37	0.16	82	0.33	0.15
Sugar Cane	24	0.26	0.12	84	0.31	0.15
Pasture	161	0.38	0.18	83	0.32	0.15
Plantation	63	0.28	0.13	90	0.26	0.12
Developed	37	0.36	0.23	68	0.36	0.15

Table 4. Allometric equations used for home range sizes for mammals and birds.

	Birds ¹ and Bats	Mammals ²
	where A = home range size (in acres) and M = body mass (in grams)	where A = home range size (in hectares) and M = body mass (in kilograms)
Herbivores	$A_{hr} = 0.05 M^{0.7}$	$A_{hr} = 2.7 M^{1.02}$
Omnivores		$A_{hr} = 3.4 M^{0.92}$
Carnivores	$A_{hr} = 0.08 M^{1.31}$	$A_{hr} = 115 M^{0.94}$

1. From Schoener, T.W. (1968). Sizes of Feeding Territories among Birds. *Ecology*, 49 (1), 123-141.
2. From Lindstedt, S. L., Miller, B. J., & Buskirk, S. W. (1986). Home range, time, and body size in mammals. *Ecology*, 67(2), 413–418, based on original equations by Harestad, A. S., & Bunnell, F. L. (1979). Home range and body weight--a reevaluation. *Ecology*, 60(2), 389–402.

Table 5. Allometric equations used for dispersal distance for mammals and birds (body mass, M, is expressed in kg and dispersal distance, in km).

	Birds and Bats ¹	Mammals ¹
Herbivores and Omnivores	= 2.1 M ^{0.18}	= 1.45 M ^{0.54}
Carnivores	= 36.4 M ^{0.62}	= 3.45 M ^{0.89}

1. From Sutherland, G. D., Harestad, A. S., Price, K., & Lertzman, K. (2000). Scaling of Natal Dispersal Distances in Terrestrial Birds and Mammals. *Ecology and Society*, 4. Retrieved from <http://hdl.handle.net/10535/2986>.

Table 6. Parameter values for the species in our analysis.

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Caprimulgus rufus</i>	Rufous Nightjar	0	94	12.43	8,398	LC	C
B	<i>Capsiempis flaveola</i>	Yellow Tyrannulet	0	8	0.09	881	LC	O
B	<i>Caracara plancus</i>	Southern Caracara	0	1,375	3.18	2,224	LC	O
B	<i>Carduelis magellanica</i>	Hooded Siskin	0	11	0.11	933	LC	H
B	<i>Cariama cristata</i>	Red-legged Seriema	0	1,450	448.33	45,830	LC	C
B	<i>Casiornis rufus</i>	Rufous Casiornis	0	25	2.15	3,657	LC	C
B	<i>Casmerodius albus</i>	Great Egret	1	972	265.40	35,759	LC	C
B	<i>Cathartes aura</i>	Turkey Vulture	0	1,388	423.19	44,595	LC	C
B	<i>Cathartes burrovianus</i>	Lesser Yellow-headed Vulture	0	1,151	331.30	39,716	LC	C
B	<i>Catharus fuscescens</i>	Veery	0	32	0.23	1,129	LC	O
B	<i>Celeus flavescens</i>	Blond-crested Woodpecker	0	130	0.61	1,455	LC	O
B	<i>Certhiaxis cinnamomeus</i>	Yellow-chinned Spinetail	1	15	1.12	2,693	LC	C
B	<i>Chaetura meridionalis</i>	Sick's Swift	0	22	1.88	3,434	LC	C
B	<i>Charadrius collaris</i>	Collared Plover	1	30	2.80	4,146	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Chelidoptera tenebrosa</i>	Swallow-wing Puffbird	0	38	3.81	4,796	LC	C
B	<i>Chiroxiphia caudata</i>	Swallow-tailed Manakin	0	26	0.20	1,086	LC	H
B	<i>Chloroceryle aenea</i>	American Pygmy Kingfisher	1	14	1.00	2,549	LC	C
B	<i>Chloroceryle amazona</i>	Amazon Kingfisher	1	121	17.28	9,815	LC	C
B	<i>Chloroceryle americana</i>	Green Kingfisher	1	39	3.96	4,890	LC	C
B	<i>Chlorostilbon lucidus</i>	Glittering-bellied Emerald	0	4	0.05	768	LC	O
B	<i>Chordeiles acutipennis</i>	Lesser Nighthawk	0	44	4.67	5,284	LC	C
B	<i>Chordeiles minor</i>	Common Nighthawk	0	76	9.38	7,351	LC	C
B	<i>Chordeiles nacunda</i>	Nacunda Nighthawk	0	152	23.41	11,331	LC	C
B	<i>Chordeiles pusillus</i>	Least Nighthawk	0	31	2.86	4,190	LC	C
B	<i>Chrysolampis mosquitus</i>	Ruby-topaz Hummingbird	0	4	0.06	787	LC	O
B	<i>Chrysomus ruficapillus</i>	Chestnut-capped Blackbird	1	38	0.26	1,168	LC	O
B	<i>Circus buffoni</i>	Long-winged Harrier	0	510	113.91	23,962	LC	C
B	<i>Cissopis leverianus</i>	Magpie Tanager	0	72	0.40	1,307	LC	O
B	<i>Cistothorus platensis</i>	Sedge Wren	0	8	0.51	1,849	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Claravis pretiosa</i>	Blue Ground-dove	0	64	0.37	1,281	LC	H
B	<i>Cnemotriccus fuscatus</i>	Fuscous Flycatcher	0	14	1.02	2,575	LC	C
B	<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	0	67	7.95	6,796	LC	C
B	<i>Coccyzus euleri</i>	Pearly-breasted Cuckoo	0	61	7.06	6,427	LC	C
B	<i>Coccyzus melacoryphus</i>	Dark-billed Cuckoo	0	49	5.30	5,611	LC	C
B	<i>Cochlearius cochlearius</i>	Boat-billed Heron	1	591	138.43	26,278	LC	C
B	<i>Coereba flaveola</i>	Bananaquit	0	9	0.10	905	LC	O
B	<i>Colaptes campestris</i>	Campo Flicker	0	164	25.85	11,877	LC	C
B	<i>Colaptes melanochloros</i>	Green-barred Woodpecker	0	147	22.26	11,064	LC	C
B	<i>Colibri serrirostris</i>	White-vented Violet-ear	0	6	0.07	845	LC	O
B	<i>Colonia colonus</i>	Long-tailed Tyrant	0	16	1.25	2,833	LC	C
B	<i>Columba livia</i>	Rock Pigeon	0	292	1.08	1,682	LC	H
B	<i>Columbina minuta</i>	Plain-breasted Ground-dove	0	33	0.23	1,137	LC	H
B	<i>Columbina squammata</i>	Scaled Dove	0	51	0.32	1,230	LC	H
B	<i>Columbina talpacoti</i>	Ruddy Ground-dove	0	43	0.28	1,193	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Conirostrum speciosum</i>	Chestnut-vented Conebill	0	8	0.08	875	LC	O
B	<i>Conopophaga lineata</i>	Rufous Gnateater	0	22	1.82	3,386	LC	C
B	<i>Contopus cinereus</i>	Tropical Pewee	0	12	0.87	2,381	LC	C
B	<i>Coragyps atratus</i>	Black Vulture	0	1,591	506.29	48,544	LC	C
B	<i>Coryphaspiza melanotis</i>	Black-masked Finch	0	16	0.14	994	VU	H
B	<i>Coryphospingus cucullatus</i>	Red-crested Finch	0	15	0.13	985	LC	H
B	<i>Corythopis delalandi</i>	Southern Antpipit	0	16	1.19	2,763	LC	C
B	<i>Cranioleuca vulpina</i>	Rusty-backed Spinetail	0	16	1.22	2,803	LC	C
B	<i>Crax fasciolata</i>	Bare-faced Curassow	0	2,554	4.91	2,486	LC	H
B	<i>Crotophaga ani</i>	Smooth-billed Ani	0	103	0.52	1,394	LC	O
B	<i>Crotophaga major</i>	Greater Ani	0	151	0.68	1,494	LC	O
B	<i>Crypturellus parvirostris</i>	Small-billed Tinamou	0	196	0.81	1,566	LC	O
B	<i>Crypturellus tataupa</i>	Tataupa Tinamou	0	221	0.89	1,601	LC	H
B	<i>Crypturellus undulatus</i>	Undulated Tinamou	0	548	1.67	1,885	LC	O
B	<i>Culicivora caudacuta</i>	Sharp-tailed Tyrant	0	6	0.07	831	VU	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Cyanocompsa brissonii</i>	Ultramarine Grosbeak	0	21	0.17	1,044	LC	O
B	<i>Cyanocorax cristatellus</i>	Curl-crested Jay	0	178	0.76	1,539	LC	O
B	<i>Cyanocorax cyanopogon</i>	White-naped Jay	0	146	0.66	1,485	LC	O
B	<i>Cyclarhis gujanensis</i>	Rufous-browed Peppershrike	0	29	0.21	1,110	LC	O
B	<i>Cypseloides senex</i>	Great Dusky Swift	0	86	11.07	7,948	LC	C
B	<i>Cypsnagra hirundinacea</i>	White-rumped Tanager	0	27	0.20	1,096	LC	O
B	<i>Accipiter bicolor</i>	Bicoloured Hawk	0	341	67.32	18,681	LC	C
B	<i>Accipiter striatus</i>	Sharp-shinned Hawk	0	140	20.92	10,745	LC	C
B	<i>Actitis macularius</i>	Spotted Sandpiper	1	44	4.60	5,245	LC	C
B	<i>Agelasticus cyanopus</i>	Unicoloured Blackbird	1	32	3.06	4,325	LC	C
B	<i>Alectrurus tricolor</i>	Cock-tailed Tyrant	0	16	1.22	2,803	VU	C
B	<i>Alopochelidon fucata</i>	Tawny-headed Swallow	0	14	1.03	2,580	LC	C
B	<i>Amazilia fimbriata</i>	Glittering-throated Emerald	0	5	0.06	797	LC	O
B	<i>Amazilia versicolor</i>	Versicoloured Emerald	0	4	0.05	777	LC	O
B	<i>Amazona aestiva</i>	Turquoise-fronted Amazon	0	400	1.34	1,781	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Amazona amazonica</i>	Orange-winged Amazon	0	368	1.27	1,754	LC	H
B	<i>Amazonetta brasiliensis</i>	Brazilian Teal	1	443	1.44	1,814	LC	O
B	<i>Ammodramus humeralis</i>	Grassland Sparrow	0	17	0.15	1,006	LC	O
B	<i>Anhima cornuta</i>	Horned Screamer	1	3,075	5.59	2,571	LC	H
B	<i>Anhinga anhinga</i>	Anhinga	1	1,259	372.50	41,982	LC	C
B	<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	0	1,543	3.45	2,271	EN	H
B	<i>Anthracothorax nigricollis</i>	Black-throated Mango	0	7	0.08	861	LC	O
B	<i>Anthus lutescens</i>	Yellowish Pipit	0	16	1.17	2,749	LC	C
B	<i>Antilophia galeata</i>	Helmeted Manakin	0	21	0.17	1,044	LC	O
B	<i>Anurolimnas viridis</i>	Russet-crowned Crake	0	63	0.37	1,278	LC	O
B	<i>Aphantochroa cirrochloris</i>	Sombre Hummingbird	0	9	0.09	899	LC	O
B	<i>Ara ararauna</i>	Blue-and-yellow Macaw	0	1,158	2.82	2,156	LC	H
B	<i>Aramides cajaneus</i>	Grey-necked Wood-rail	1	404	1.35	1,784	LC	O
B	<i>Aramides ypecaha</i>	Giant Wood-rail	1	765	2.11	2,001	LC	O
B	<i>Aramus guarauna</i>	Limpkin	1	1,098	311.36	38,567	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Aratinga aurea</i>	Peach-fronted Parakeet	0	84	0.45	1,345	LC	H
B	<i>Aratinga auricapillus</i>	Golden-capped Parakeet	0	130	0.61	1,455	NT	H
B	<i>Aratinga leucophthalma</i>	White-eyed Parakeet	0	170	0.74	1,526	LC	H
B	<i>Ardea cocoi</i>	Cocoi Heron	1	2,400	867.53	62,637	LC	C
B	<i>Arremon flavirostris</i>	Saffron-billed Sparrow	0	29	0.21	1,107	LC	O
B	<i>Arundinicola leucocephala</i>	White-headed Marsh-tyrant	1	13	0.98	2,519	LC	C
B	<i>Asio flammeus</i>	Short-eared Owl	0	358	71.61	19,237	LC	C
B	<i>Asio stygius</i>	Stygian Owl	0	675	164.66	28,528	LC	C
B	<i>Athene cunicularia</i>	Burrowing Owl	0	182	29.57	12,657	LC	C
B	<i>Attila phoenicurus</i>	Rufous-tailed Attila	0	33	0.24	1,139	LC	O
B	<i>Automolus leucophthalmus</i>	White-eyed Foliage-gleaner	0	32	3.01	4,294	LC	C
B	<i>Bartramia longicauda</i>	Upland Sandpiper	0	146	22.11	11,029	LC	C
B	<i>Baryphthengus ruficapillus</i>	Rufous-capped Motmot	0	157	24.42	11,561	LC	C
B	<i>Basileuterus culicivorus</i>	Golden-crowned Warbler	0	10	0.10	917	LC	O
B	<i>Basileuterus flaveolus</i>	Flavescent Warbler	0	14	1.05	2,609	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Basileuterus hypoleucus</i>	White-bellied Warbler	0	10	0.62	2,029	LC	C
B	<i>Basileuterus leucophrys</i>	White-striped Warbler	0	18	1.44	3,026	LC	C
B	<i>Brachygalba lugubris</i>	Brown Jacamar	0	20	1.64	3,219	LC	C
B	<i>Brotogeris chiriri</i>	Yellow-chevroned Parakeet	0	62	0.36	1,272	LC	H
B	<i>Bubo virginianus</i>	Great Horned Owl	0	1,632	523.24	49,307	LC	C
B	<i>Bubulcus ibis</i>	Cattle Egret	0	360	72.27	19,320	LC	C
B	<i>Busarellus nigricollis</i>	Black-collared Hawk	1	830	215.87	32,429	LC	C
B	<i>Buteo albicaudatus</i>	White-tailed Hawk	0	925	248.80	34,682	LC	C
B	<i>Buteo brachyurus</i>	Short-tailed Hawk	0	483	106.07	23,167	LC	C
B	<i>Buteo magnirostris</i>	Roadside Hawk	0	263	47.90	15,903	LC	C
B	<i>Buteo nitidus</i>	Grey Hawk	0	552	126.52	25,183	LC	C
B	<i>Buteogallus meridionalis</i>	Savanna Hawk	0	877	232.11	33,561	LC	C
B	<i>Buteogallus urubitinga</i>	Great Black-hawk	0	1,000	275.46	36,394	LC	C
B	<i>Butorides striata</i>	Striated Heron	1	193	31.83	13,105	LC	C
B	<i>Cacicus haemorrhous</i>	Red-rumped Caciue	0	82	0.44	1,339	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Cacicus solitarius</i>	Solitary Black Cacique	0	85	10.82	7,866	LC	C
B	<i>Cairina moschata</i>	Muscovy Duck	1	2,531	4.88	2,482	LC	O
B	<i>Calidris fuscicollis</i>	White-rumped Sandpiper	1	42	4.39	5,131	LC	C
B	<i>Calidris melanotos</i>	Pectoral Sandpiper	1	83	10.61	7,794	LC	C
B	<i>Calliphlox amethystina</i>	Amethyst Woodstar	0	2	0.04	709	LC	O
B	<i>Campephilus melanoleucos</i>	Crimson-crested Woodpecker	0	233	40.93	14,762	LC	C
B	<i>Campephilus robustus</i>	Robust Woodpecker	0	241	42.80	15,077	LC	C
B	<i>Camptostoma obsoletum</i>	Southern Beardless-tyrannulet	0	8	0.09	881	LC	O
B	<i>Campylorhamphus trochilirostris</i>	Red-billed Scythebill	0	40	4.00	4,911	LC	C
B	<i>Caprimulgus maculicaudus</i>	Spot-tailed Nightjar	0	32	3.03	4,308	LC	C
B	<i>Caprimulgus parvulus</i>	Little Nightjar	0	37	3.69	4,724	LC	C
B	<i>Dacnis cayana</i>	Blue Dacnis	0	16	0.14	993	LC	O
B	<i>Dendrocolaptes platyrostris</i>	Planalto Woodcreeper	0	62	7.23	6,500	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-duck	1	756	2.09	1,997	LC	O
B	<i>Dendrocygna viduata</i>	White-faced Whistling-duck	1	666	1.92	1,952	LC	O
B	<i>Diopsittaca nobilis</i>	Red-shouldered Macaw	0	147	0.67	1,488	LC	H
B	<i>Donacobius atricapilla</i>	Black-capped Donacobius	1	35	3.40	4,546	LC	C
B	<i>Dromococcyx phasianellus</i>	Pheasant Cuckoo	0	87	11.18	7,988	LC	C
B	<i>Dryocopus lineatus</i>	Lineated Woodpecker	0	203	0.84	1,576	LC	O
B	<i>Dysithamnus mentalis</i>	Plain Antvireo	0	14	0.98	2,523	LC	C
B	<i>Egretta thula</i>	Snowy Egret	1	368	74.47	19,596	LC	C
B	<i>Elaenia albiceps</i>	White-crested Elaenia	0	16	0.14	993	LC	O
B	<i>Elaenia chiriquensis</i>	Lesser Elaenia	0	16	0.14	996	LC	O
B	<i>Elaenia cristata</i>	Plain-crested Elaenia	0	18	0.15	1,019	LC	O
B	<i>Elaenia flavogaster</i>	Yellow-bellied Elaenia	0	25	0.19	1,079	LC	O
B	<i>Elaenia mesoleuca</i>	Olivaceous Elaenia	0	17	0.15	1,010	LC	O
B	<i>Elaenia obscura</i>	Highland Elaenia	0	24	0.19	1,077	LC	O
B	<i>Elaenia parvirostris</i>	Small-billed Elaenia	0	15	0.13	986	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Elaenia spectabilis</i>	Large Elaenia	0	28	0.21	1,100	LC	O
B	<i>Elanoides forficatus</i>	American Swallow-tailed Kite	0	424	89.62	21,391	LC	C
B	<i>Elanus leucurus</i>	White-tailed Kite	0	290	54.44	16,896	LC	C
B	<i>Emberizoides herbicola</i>	Wedge-tailed Grass-finch	0	27	0.20	1,093	LC	O
B	<i>Empidonomus varius</i>	Variiegated Flycatcher	0	26	0.20	1,089	LC	O
B	<i>Eucometis penicillata</i>	Grey-headed Tanager	0	28	0.21	1,101	LC	O
B	<i>Eupetomena macroura</i>	Swallow-tailed Hummingbird	0	8	0.08	870	LC	O
B	<i>Euphonia chlorotica</i>	Purple-throated Euphonia	0	10	0.10	908	LC	H
B	<i>Euphonia pectoralis</i>	Chestnut-bellied Euphonia	0	16	0.14	995	LC	H
B	<i>Euphonia violacea</i>	Violaceous Euphonia	0	14	0.13	971	LC	H
B	<i>Euscarthmus meloryphus</i>	Tawny-crowned Pygmy-tyrant	0	7	0.41	1,664	LC	C
B	<i>Euscarthmus rufomarginatus</i>	Rufous-sided Pygmy-tyrant	0	6	0.34	1,526	NT	C
B	<i>Falco femoralis</i>	Aplomado Falcon	0	364	73.39	19,461	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Falco peregrinus</i>	Peregrine Falcon	0	1,003	276.64	36,468	LC	C
B	<i>Falco ruficularis</i>	Bat Falcon	0	156	24.22	11,515	LC	C
B	<i>Falco sparverius</i>	American Kestrel	0	121	17.32	9,827	LC	C
B	<i>Fluvicola albiventer</i>	Black-backed Water-tyrant	1	12	0.80	2,296	LC	C
B	<i>Formicivora melanogaster</i>	Black-bellied Antwren	0	11	0.70	2,159	LC	C
B	<i>Formicivora rufa</i>	Rusty-backed Antwren	0	11	0.73	2,197	LC	C
B	<i>Forpus xanthopterygius</i>	Blue-winged Parrotlet	0	28	0.21	1,103	LC	H
B	<i>Furnarius rufus</i>	Rufous Hornero	0	48	5.16	5,540	LC	C
B	<i>Galbula ruficauda</i>	Rufous-tailed Jacamar	0	23	1.97	3,511	LC	C
B	<i>Gallinago paraguaiiae</i>	South American Snipe	1	102	13.85	8,840	LC	C
B	<i>Gallinago undulata</i>	Giant Snipe	0	388	79.79	20,247	LC	C
B	<i>Gallinula chloropus</i>	Common Moorhen	1	232	0.92	1,614	LC	O
B	<i>Gampsonyx swainsonii</i>	Pearl Kite	0	93	12.32	8,361	LC	C
B	<i>Geositta poeciloptera</i>	Campo Miner	0	18	0.15	1,019	VU	O
B	<i>Geothlypis aequinoctialis</i>	Masked Yellowthroat	1	14	1.00	2,554	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Geotrygon montana</i>	Ruddy Quail-dove	0	122	0.58	1,437	LC	H
B	<i>Geranospiza caerulescens</i>	Crane Hawk	0	299	56.54	17,202	LC	C
B	<i>Glaucidium brasilianum</i>	Ferruginous Pygmy-owl	0	71	8.58	7,046	LC	C
B	<i>Gnorimopsar chopi</i>	Chopi Blackbird	0	84	0.45	1,345	LC	O
B	<i>Gubernetes yetapa</i>	Streamer-tailed Tyrant	0	67	7.99	6,812	LC	C
B	<i>Guira guira</i>	Guira Cuckoo	0	147	22.41	11,099	LC	C
B	<i>Harpagus diodon</i>	Rufous-thighed Kite	0	200	33.46	13,420	LC	C
B	<i>Harpyhaliaetus coronatus</i>	Crowned Eagle	0	2,950	1136.78	71,185	EN	C
B	<i>Heliactin bilophus</i>	Horned Sungem	0	2	0.03	695	LC	O
B	<i>Heliomaster squamosus</i>	Stripe-breasted Starthroat	0	6	0.07	830	LC	O
B	<i>Hemithraupis guira</i>	Guira Tanager	0	12	0.11	940	LC	O
B	<i>Hemitriccus margaritaceiventer</i>	Pearly-vented Tody-tyrant	0	8	0.53	1,889	LC	C
B	<i>Herpetotheres cachinnans</i>	Laughing Falcon	0	667	162.11	28,318	LC	C
B	<i>Herpsilochmus atricapillus</i>	Black-capped Antwren	0	11	0.73	2,197	LC	C
B	<i>Herpsilochmus longirostris</i>	Large-billed Antwren	0	13	0.91	2,441	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Hirundinea ferruginea</i>	Cliff Flycatcher	0	23	1.91	3,463	LC	C
B	<i>Hirundo rustica</i>	Barn Swallow	0	19	1.53	3,113	LC	C
B	<i>Hydropsalis torquata</i>	Scissor-tailed Nightjar	0	59	6.76	6,295	LC	C
B	<i>Hylocryptus rectirostris</i>	Chestnut-capped Foliage-gleaner	0	48	5.11	5,516	LC	C
B	<i>Hypoedaleus guttatus</i>	Spot-backed Antshrike	0	42	4.26	5,062	LC	C
B	<i>Ibycter americanus</i>	Red-throated Caracara	0	559	128.70	25,387	LC	C
B	<i>Icterus cayanensis</i>	Epaulet Oriole	0	41	0.27	1,182	LC	O
B	<i>Ictinia plumbea</i>	Plumbeous Kite	0	237	41.85	14,919	LC	C
B	<i>Jabiru mycteria</i>	Jabiru	1	6,423	3150.25	115,318	LC	C
B	<i>Jacana jacana</i>	Wattled Jacana	1	125	0.60	1,445	LC	O
B	<i>Larus cirrocephalus</i>	Grey-headed Gull	1	280	1.04	1,669	LC	O
B	<i>Laterallus melanophaius</i>	Rufous-sided Crane	1	53	5.91	5,908	LC	C
B	<i>Lathrotriccus euleri</i>	Euler's Flycatcher	0	12	0.79	2,284	LC	C
B	<i>Legatus leucophaius</i>	Piratic Flycatcher	0	25	0.19	1,078	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Lepidocolaptes angustirostris</i>	Narrow-billed Woodcreeper	0	29	2.65	4,042	LC	C
B	<i>Leptodon cayanensis</i>	Grey-headed Kite	0	501	111.50	23,721	LC	C
B	<i>Leptopogon amaurocephalus</i>	Sepia-capped Flycatcher	0	11	0.11	933	LC	O
B	<i>Leptotila rufaxilla</i>	Grey-fronted Dove	0	150	0.68	1,493	LC	H
B	<i>Leptotila verreauxi</i>	White-tipped Dove	0	142	0.65	1,478	LC	H
B	<i>Leucochloris albicollis</i>	White-throated Hummingbird	0	5	0.07	819	LC	O
B	<i>Lochmias nematura</i>	Sharp-tailed Streamcreeper	1	29	2.67	4,053	LC	C
B	<i>Lophornis magnificus</i>	Frilled Coquette	0	3	0.04	717	LC	O
B	<i>Megaceryle torquata</i>	Ringed Kingfisher	1	296	55.86	17,103	LC	C
B	<i>Megarynchus pitangua</i>	Boat-billed Flycatcher	0	68	0.39	1,293	LC	O
B	<i>Megascops atricapilla</i>	Black-capped Screech-owl	0	155	24.01	11,469	LC	C
B	<i>Megascops choliba</i>	Tropical Screech-owl	0	131	19.16	10,307	LC	C
B	<i>Melanerpes candidus</i>	White Woodpecker	0	121	0.58	1,437	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Melanerpes flavifrons</i>	Yellow-fronted Woodpecker	0	56	0.34	1,250	LC	O
B	<i>Melanopareia torquata</i>	Collared Crescentchest	0	19	1.53	3,118	LC	C
B	<i>Mergus octosetaceus</i>	Brazilian Merganser	1	983	269.43	36,015	CE	C
B	<i>Mesembrinibis cayennensis</i>	Green Ibis	1	725	180.82	29,820	LC	C
B	<i>Micrastur ruficollis</i>	Barred Forest-falcon	0	198	33.10	13,350	LC	C
B	<i>Micrastur semitorquatus</i>	Collared Forest-falcon	0	761	192.76	30,736	LC	C
B	<i>Micropygia schomburgkii</i>	Ocellated Crake	1	32	3.03	4,308	LC	C
B	<i>Milvago chimachima</i>	Yellow-headed Caracara	0	329	1.17	1,719	LC	O
B	<i>Mimus saturninus</i>	Chalk-browed Mockingbird	0	73	8.94	7,184	LC	C
B	<i>Molothrus bonariensis</i>	Shiny Cowbird	0	48	0.30	1,216	LC	O
B	<i>Molothrus oryzivorus</i>	Giant Cowbird	0	185	0.78	1,549	LC	O
B	<i>Momotus momota</i>	Blue-crowned Motmot	0	123	0.59	1,441	LC	O
B	<i>Monasa nigrifrons</i>	Black-fronted Nunbird	0	84	10.68	7,818	LC	C
B	<i>Mycteria americana</i>	Wood Stork	1	2,388	861.62	62,435	LC	C
B	<i>Myiarchus ferox</i>	Short-crested Flycatcher	0	28	0.21	1,102	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Myiarchus swainsoni</i>	Swainson's Flycatcher	0	27	0.20	1,099	LC	O
B	<i>Myiarchus tyrannulus</i>	Brown-crested Flycatcher	0	37	0.25	1,160	LC	O
B	<i>Myiodynastes maculatus</i>	Streaked Flycatcher	0	46	0.30	1,208	LC	O
B	<i>Myiopagis caniceps</i>	Grey Elaenia	0	10	0.70	2,150	LC	C
B	<i>Myiopagis gaimardii</i>	Forest Elaenia	0	13	0.92	2,453	LC	C
B	<i>Myiopagis viridicata</i>	Greenish Elaenia	0	13	0.90	2,423	LC	C
B	<i>Myiophobus fasciatus</i>	Bran-coloured Flycatcher	0	10	0.66	2,091	LC	C
B	<i>Myiozetetes cayanensis</i>	Rusty-margined Flycatcher	0	26	0.20	1,091	LC	O
B	<i>Myiozetetes similis</i>	Social Flycatcher	0	29	0.21	1,107	LC	O
B	<i>Nemosia pileata</i>	Hooded Tanager	0	14	0.13	974	LC	O
B	<i>Neothraupis fasciata</i>	White-banded Tanager	0	30	0.22	1,114	NT	O
B	<i>Nomonyx dominicus</i>	Masked Duck	1	371	1.27	1,757	LC	O
B	<i>Nonnula rubecula</i>	Rusty-breasted Nunlet	0	19	1.55	3,139	LC	C
B	<i>Nothura maculosa</i>	Spotted Nothura	0	217	0.87	1,595	LC	O
B	<i>Nothura minor</i>	Lesser Nothura	0	166	0.72	1,520	VU	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Nyctibius griseus</i>	Grey Potoo	0	177	28.46	12,430	LC	C
B	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	1	740	185.57	30,189	LC	C
B	<i>Nyctidromus albicollis</i>	Common Pauraque	0	66	7.83	6,749	LC	C
B	<i>Nyctiphrynus ocellatus</i>	Ocellated Poorwill	0	38	3.77	4,773	LC	C
B	<i>Nystalus chacuru</i>	White-eared Puffbird	0	55	6.20	6,044	LC	C
B	<i>Orthopsittaca manilata</i>	Red-bellied Macaw	0	351	1.22	1,739	LC	H
B	<i>Oryzoborus angolensis</i>	Lesser Seed- finch/Chestnut-bellied Seed-finch	0	13	0.12	956	LC	H
B	<i>Oryzoborus maximiliani</i>	Great-billed Seed-Finch	0	25	0.19	1,081	NT	H
B	<i>Pachyramphus castaneus</i>	Chestnut-crowned Becard	0	18	0.16	1,023	LC	O
B	<i>Pachyramphus polychopterus</i>	White-winged Becard	0	21	0.17	1,044	LC	O
B	<i>Pachyramphus validus</i>	Crested Becard	0	45	0.29	1,202	LC	O
B	<i>Pachyramphus viridis</i>	Green-backed Becard	0	21	0.17	1,048	LC	O
B	<i>Pandion haliaetus</i>	Osprey	1	1,680	543.70	50,210	LC	C
B	<i>Parabuteo unicinctus</i>	Harris's Hawk	0	821	212.64	32,198	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Pardirallus nigricans</i>	Blackish Rail	1	217	37.24	14,116	LC	C
B	<i>Parula pitiayumi</i>	Tropical Parula	0	7	0.39	1,642	LC	C
B	<i>Passer domesticus</i>	House Sparrow	0	30	0.22	1,120	LC	O
B	<i>Patagioenas cayennensis</i>	Pale-vented Pigeon	0	217	0.87	1,595	LC	H
B	<i>Patagioenas picazuro</i>	Picazuro Pigeon	0	402	1.35	1,782	LC	H
B	<i>Penelope superciliaris</i>	Rusty-margined Guan	0	967	2.49	2,087	LC	H
B	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	0	23	1.93	3,480	LC	C
B	<i>Phacellodomus ruber</i>	Greater Thornbird	0	43	4.47	5,174	LC	C
B	<i>Phaeomyias murina</i>	Mouse-coloured Tyrannulet	0	9	0.09	893	LC	O
B	<i>Phaethornis pretrei</i>	Planalto Hermit	0	5	0.06	799	LC	O
B	<i>Phaetusa simplex</i>	Large-billed Tern	1	228	39.61	14,535	LC	C
B	<i>Phalacrocorax brasilianus</i>	Neotropic Cormorant	1	1,284	382.13	42,492	LC	C
B	<i>Philydor lichtensteini</i>	Ochre-breasted Foliage-gleaner	0	21	1.75	3,318	LC	C
B	<i>Philydor rufum</i>	Buff-fronted Foliage-gleaner	0	30	2.84	4,175	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Phimosus infuscatus</i>	Bare-faced Ibis	0	575	133.47	25,828	LC	C
B	<i>Phyllomyias fasciatus</i>	Planalto Tyrannulet	0	11	0.10	925	LC	O
B	<i>Piaya cayana</i>	Squirrel Cuckoo	0	105	14.39	9,000	LC	C
B	<i>Picumnus albosquamatus</i>	White-wedged Piculet	0	9	0.58	1,962	LC	C
B	<i>Pilherodius pileatus</i>	Capped Heron	1	555	127.27	25,253	LC	C
B	<i>Pionus maximiliani</i>	Scaly-headed Parrot	0	263	1.00	1,651	LC	H
B	<i>Pipra fasciicauda</i>	Band-tailed Manakin	0	16	0.14	996	LC	O
B	<i>Piranga flava</i>	Hepatic Tanager	0	35	0.24	1,146	LC	O
B	<i>Pitangus lictor</i>	Lesser Kiskadee	1	26	0.20	1,087	LC	O
B	<i>Pitangus sulphuratus</i>	Great Kiskadee	0	60	0.36	1,267	LC	O
B	<i>Platalea ajaja</i>	Roseate Spoonbill	1	1,450	448.33	45,830	LC	C
B	<i>Platyrynchus mystaceus</i>	White-throated Spadebill	0	10	0.66	2,086	LC	C
B	<i>Pluvialis dominica</i>	American Golden Plover	0	159	0.70	1,508	LC	O
B	<i>Podilymbus podiceps</i>	Pied-billed Grebe	1	423	89.20	21,344	LC	C
B	<i>Poecilotriccus latirostris</i>	Rusty-fronted Tody-flycatcher	0	9	0.54	1,901	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Polioptila dumicola</i>	Masked Gnatcatcher	0	7	0.43	1,704	LC	C
B	<i>Polystictus pectoralis</i>	Bearded Tachuri	0	6	0.35	1,557	NT	C
B	<i>Polytmus guainumbi</i>	White-tailed Goldenthrout	0	5	0.06	800	LC	O
B	<i>Poospiza cinerea</i>	Cinereous Warbling-finch	0	11	0.11	936	VU	O
B	<i>Porphyrio flavirostris</i>	Azure Gallinule	1	104	0.52	1,396	LC	O
B	<i>Porphyrio martinicus</i>	Yellow-legged Gallinule	1	235	0.93	1,618	LC	O
B	<i>Porzana albicollis</i>	Ash-throated Crake	1	103	0.52	1,395	LC	O
B	<i>Primolius maracana</i>	Blue-winged Macaw	0	256	0.98	1,643	NT	H
B	<i>Progne chalybea</i>	Grey-breasted Martin	0	41	4.13	4,986	LC	C
B	<i>Progne subis</i>	Purple Martin	0	52	5.77	5,839	LC	C
B	<i>Progne tapera</i>	Brown-chested Martin	0	40	4.06	4,947	LC	C
B	<i>Psarocolius decumanus</i>	Crested Oropendola	0	225	0.90	1,605	LC	O
B	<i>Pseudoleistes guirahuro</i>	Yellow-rumped Marshbird	1	98	0.50	1,382	LC	O
B	<i>Pseudoscops clamator</i>	Striped Owl	0	393	81.07	20,400	LC	C
B	<i>Pteroglossus castanotis</i>	Chestnut-eared Aracari	0	265	1.01	1,653	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Pulsatrix perspicillata</i>	Spectacled Owl	0	873	230.73	33,466	LC	C
B	<i>Pygochelidon cyanoleuca</i>	Blue-and-white Swallow	0	12	0.80	2,296	LC	C
B	<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	0	13	0.94	2,476	LC	C
B	<i>Pyroderus scutatus</i>	Red-ruffed Fruitcrow	0	381	1.30	1,765	LC	H
B	<i>Ramphastos dicolorus</i>	Red-breasted Toucan	0	333	1.18	1,722	LC	O
B	<i>Ramphastos toco</i>	Toco Toucan	0	633	1.85	1,934	LC	O
B	<i>Ramphocelus carbo</i>	Silver-beaked Tanager	0	25	0.19	1,081	LC	O
B	<i>Rhea americana</i>	Greater Rhea	0	23,875	23.48	3,717	NT	O
B	<i>Rhynchotus rufescens</i>	Red-winged Tinamou	0	869	2.31	2,047	LC	O
B	<i>Riparia riparia</i>	Sand Martin	1	15	1.08	2,640	LC	C
B	<i>Rostrhamus sociabilis</i>	Snail Kite	1	371	75.11	19,676	LC	C
B	<i>Rynchops niger</i>	Black Skimmer	1	275	50.85	16,358	LC	C
B	<i>Saltator atricollis</i>	Black-throated Saltator	0	54	0.33	1,241	LC	O
B	<i>Saltator maximus</i>	Buff-throated Saltator	0	47	0.30	1,213	LC	O
B	<i>Saltator similis</i>	Green-winged Saltator	0	48	0.30	1,214	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Sarcoramphus papa</i>	King Vulture	0	3,338	1336.26	76,846	LC	C
B	<i>Sarkidiornis melanotos</i>	Comb Duck	1	2,055	4.22	2,391	LC	O
B	<i>Satrapa icterophrys</i>	Yellow-browed Tyrant	0	20	1.66	3,234	LC	C
B	<i>Schiffornis virescens</i>	Greenish Schiffornis	0	25	2.22	3,713	LC	C
B	<i>Schistochlamys melanopis</i>	Black-faced Tanager	0	31	0.23	1,126	LC	O
B	<i>Sclerurus scansor</i>	Rufous-breasted Leaftosser	0	34	3.28	4,473	LC	C
B	<i>Serpophaga nigricans</i>	Sooty Tyrannulet	0	9	0.58	1,962	LC	C
B	<i>Serpophaga subcristata</i>	White-crested Tyrannulet	0	7	0.39	1,634	LC	C
B	<i>Sicalis luteola</i>	Grassland Yellow-finch	0	11	0.11	933	LC	H
B	<i>Sirystes sibilator</i>	Sirystes	0	33	3.21	4,422	LC	C
B	<i>Sittasomus griseicapillus</i>	Olivaceous Woodcreeper	0	13	0.93	2,465	LC	C
B	<i>Spizaetus melanoleucus</i>	Black-and-white Hawk-eagle	0	718	178.65	29,650	LC	C
B	<i>Sporophila bouvreuil</i>	Capped Seedeater	0	9	0.09	890	LC	H
B	<i>Sporophila caerulecens</i>	Double-collared Seedeater	0	11	0.10	925	LC	H
B	<i>Sporophila collaris</i>	Rusty-collared Seedeater	0	14	0.13	968	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	0	10	0.10	912	NT	H
B	<i>Sporophila hypoxantha</i>	Tawny-bellied Seedeater	0	10	0.10	908	LC	H
B	<i>Sporophila leucoptera</i>	White-bellied Seedeater	0	16	0.14	992	LC	H
B	<i>Sporophila lineola</i>	Lined Seedeater	0	10	0.10	912	LC	H
B	<i>Sporophila melanogaster</i>	Black-bellied Seedeater	0	9	0.10	905	NT	H
B	<i>Sporophila nigricollis</i>	Yellow-bellied Seedeater	0	9	0.10	905	LC	H
B	<i>Sporophila palustris</i>	Marsh Seedeater	1	8	0.08	870	EN	H
B	<i>Sporophila plumbea</i>	Plumbeous Seedeater	0	12	0.11	942	LC	H
B	<i>Sporophila ruficollis</i>	Dark-throated Seedeater	0	9	0.09	892	NT	H
B	<i>Stelgidopteryx ruficollis</i>	Southern Rough-winged Swallow	0	16	1.18	2,754	LC	C
B	<i>Sterna superciliaris</i>	Yellow-billed Tern	1	43	4.49	5,189	LC	C
B	<i>Streptoprocne zonaris</i>	White-collared Swift	0	116	16.30	9,548	LC	C
B	<i>Sublegatus modestus</i>	Southern Scrub-flycatcher	0	12	0.85	2,360	LC	C
B	<i>Suiriri islerorum</i>	Chapada Flycatcher	0	22	1.89	3,441	NT	C
B	<i>Suiriri suiriri</i>	Suiriri Flycatcher	0	15	1.15	2,727	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Synallaxis albescens</i>	Pale-breasted Spinetail	0	14	1.00	2,542	LC	C
B	<i>Synallaxis frontalis</i>	Sooty-fronted Spinetail	0	14	1.03	2,580	LC	C
B	<i>Synallaxis hypospodia</i>	Cinereous-breasted Spinetail	0	17	1.27	2,857	LC	C
B	<i>Synallaxis scutata</i>	Ochre-cheeked Spinetail	0	16	1.17	2,749	LC	C
B	<i>Syndactyla dimidiata</i>	Russet-mantled Foliage-gleaner	0	30	2.73	4,096	LC	C
B	<i>Tachornis squamata</i>	Fork-tailed Palm-swift	0	11	0.71	2,172	LC	C
B	<i>Tachybaptus dominicus</i>	Least Grebe	1	131	19.27	10,335	LC	C
B	<i>Tachycineta albiventer</i>	White-winged Swallow	0	17	1.29	2,876	LC	C
B	<i>Tachycineta leucorrhoa</i>	White-rumped Swallow	0	19	1.53	3,118	LC	C
B	<i>Tangara cayana</i>	Burnished-buff Tanager	0	19	0.16	1,025	LC	O
B	<i>Taoniscus nanus</i>	Dwarf Tinamou	0	43	0.28	1,192	VU	O
B	<i>Tapera naevia</i>	Striped Cuckoo	0	53	5.81	5,858	LC	C
B	<i>Taraba major</i>	Great Antshrike	0	64	7.48	6,605	LC	C
B	<i>Tersina viridis</i>	Swallow Tanager	0	28	0.21	1,105	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Thalurania furcata</i>	Fork-tailed Woodnymph	0	5	0.06	794	LC	O
B	<i>Thamnophilus caerulescens</i>	Variable Antshrike	0	20	1.59	3,169	LC	C
B	<i>Thamnophilus doliatus</i>	Barred Antshrike	0	28	2.51	3,942	LC	C
B	<i>Thamnophilus pelzelni</i>	Planalto Slaty-antshrike	0	18	1.43	3,016	LC	C
B	<i>Thamnophilus torquatus</i>	Rufous-winged Antshrike	0	19	1.53	3,118	LC	C
B	<i>Theristicus caudatus</i>	Buff-necked Ibis	0	1,550	489.26	47,765	LC	C
B	<i>Thlypopsis sordida</i>	Orange-headed Tanager	0	16	0.14	992	LC	O
B	<i>Thraupis palmarum</i>	Palm Tanager	0	35	0.24	1,147	LC	O
B	<i>Thraupis sayaca</i>	Sayaca Tanager	0	30	0.22	1,117	LC	O
B	<i>Thryothorus leucotis</i>	Buff-breasted Wren	0	18	1.45	3,041	LC	C
B	<i>Tigrisoma lineatum</i>	Rufescent Tiger-heron	1	838	218.49	32,614	LC	C
B	<i>Tityra cayana</i>	Black-tailed Tityra	0	70	0.39	1,300	LC	O
B	<i>Tityra inquisitor</i>	Black-crowned Tityra	0	45	0.29	1,200	LC	O
B	<i>Todirostrum cinereum</i>	Common Tody-flycatcher	0	6	0.37	1,596	LC	C
B	<i>Tolmomyias sulphurescens</i>	Yellow-olive Flycatcher	0	15	1.11	2,682	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Trichothraupis melanops</i>	Black-goggled Tanager	0	22	0.18	1,058	LC	O
B	<i>Tringa flavipes</i>	Lesser Yellowlegs	1	91	11.93	8,236	LC	C
B	<i>Tringa melanoleuca</i>	Greater Yellowlegs	1	169	26.89	12,100	LC	C
B	<i>Tringa solitaria</i>	Solitary Sandpiper	1	50	5.46	5,689	LC	C
B	<i>Troglodytes aedon</i>	House Wren	0	12	0.81	2,309	LC	C
B	<i>Trogon surrucura</i>	Surucua Trogon	0	73	0.41	1,312	LC	O
B	<i>Turdus amaurochalinus</i>	Creamy-bellied Thrush	0	58	0.35	1,258	LC	O
B	<i>Turdus leucomelas</i>	Pale-breasted Thrush	0	61	0.36	1,270	LC	O
B	<i>Turdus nigriceps</i>	Slaty Thrush	0	51	0.32	1,229	LC	O
B	<i>Turdus rufiventris</i>	Rufous-bellied Thrush	0	72	0.41	1,309	LC	O
B	<i>Tyrannus albogularis</i>	White-throated Kingbird	0	37	0.25	1,161	LC	O
B	<i>Tyrannus melancholicus</i>	Tropical Kingbird	0	37	0.25	1,160	LC	O
B	<i>Tyrannus savana</i>	Fork-tailed Flycatcher	0	29	0.22	1,113	LC	O
B	<i>Tyto alba</i>	Barn Owl	0	416	87.20	21,116	LC	C
B	<i>Uropelia campestris</i>	Long-tailed Ground-dove	0	35	0.24	1,150	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
B	<i>Vanellus cayanus</i>	Pied Lapwing	1	70	8.38	6,968	LC	C
B	<i>Vanellus chilensis</i>	Southern Lapwing	0	304	57.79	17,380	LC	C
B	<i>Veniliornis mixtus</i>	Checkered Woodpecker	0	525	1.62	1,870	LC	O
B	<i>Veniliornis passerinus</i>	Little Woodpecker	0	32	3.01	4,296	LC	C
B	<i>Veniliornis spilogaster</i>	White-spotted Woodpecker	0	35	0.24	1,149	LC	O
B	<i>Vireo olivaceus</i>	Red-eyed Vireo	0	17	0.15	1,005	LC	O
B	<i>Volatinia jacarina</i>	Blue-black Grassquit	0	9	0.10	907	LC	O
B	<i>Xenops rutilans</i>	Streaked Xenops	0	13	0.89	2,405	LC	C
B	<i>Xiphocolaptes albicollis</i>	White-throated Woodcreeper	0	120	17.14	9,777	LC	C
B	<i>Xiphorhynchus fuscus</i>	Lesser Woodcreeper	0	19	1.48	3,067	LC	C
B	<i>Xolmis cinereus</i>	Grey Monjita	0	57	6.44	6,153	LC	C
B	<i>Zenaida auriculata</i>	Eared Dove	0	109	0.54	1,409	LC	H
B	<i>Zonotrichia capensis</i>	Rufous-collared Sparrow	0	20	0.16	1,038	LC	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Alouatta caraya</i>	Black-and-gold Howler Monkey, Black Howler Monkey, Black Howling Monkey	0	5,577	31.17	3,668	LC	H
M	<i>Anoura caudifer</i>	Tailed Tailless Bat	0	11	0.11	930	LC	O
M	<i>Anoura geoffroyi</i>	Geoffroy's Tailless Bat	0	15	0.14	988	LC	O
M	<i>Artibeus glaucus</i>	Silver Fruit-eating Bat	0	12	0.12	952	LC	H
M	<i>Artibeus jamaicensis</i>	Jamaican Fruit-eating Bat	0	44	0.28	1,195	LC	H
M	<i>Artibeus lituratus</i>	Great Fruit-eating Bat	0	59	0.35	1,263	LC	H
M	<i>Artibeus obscurus</i>	Dark Fruit-eating Bat	0	36	0.25	1,154	LC	H
M	<i>Blastocerus dichotomus</i>	Marsh Deer	1	112,519	667.79	18,579	VU	H
M	<i>Bradypus variegatus</i>	Bolivian Three-toed Sloth, Brown-throated Sloth, Brown-throated Three- toed Sloth	0	4,136	22.98	3,121	LC	H
M	<i>Cabassous tatouay</i>	Greater Naked-tailed Armadillo	0	5,350	1112.70	15,348	LC	C
M	<i>Cabassous unicinctus</i>	Cabasu, Southern Naked- tailed Armadillo	0	3,988	844.18	11,816	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Callicebus nigrifrons</i>	Black-fronted Titi Monkey	0	1,500	7.84	1,806	NT	H
M	<i>Callithrix penicillata</i>	Black-pencilled Marmoset, Black-tufted-ear Marmoset	0	340	2.52	810	LC	O
M	<i>Calomys tener</i>	Delicate Vesper Mouse	0	14	0.13	144	LC	O
M	<i>Caluromys lanatus</i>	Brown-eared Woolly Opossum, Western Woolly Opossum, Woolly Opossum	0	350	2.59	823	LC	O
M	<i>Caluromys philander</i>	Bare-tailed Woolly Opossum	0	246	1.87	681	LC	O
M	<i>Carollia perspicillata</i>	Seba's Short-tailed Bat	0	19	0.16	1,031	LC	H
M	<i>Cavia aperea</i>	Brazilian Guinea Pig	0	524	2.80	1,023	LC	H
M	<i>Cerdocyon thous</i>	Crab-eating Fox, Common Fox, Common Zorro, Crab- eating Zorro, Forest Fox, Savannah Fox	0	5,742	33.95	3,726	LC	O
M	<i>Cerradomys subflavus</i>	Terraced Rice Rat	0	50	0.43	287	LC	O
M	<i>Chiroderma doriae</i>	Brazilian Big-eyed Bat	0	20	0.16	1,038	LC	H
M	<i>Chiroderma trinitatum</i>	Little Big-eyed Bat	0	14	0.13	973	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Chiroderma villosum</i>	Hairy Big-eyed Bat	0	24	0.19	1,072	LC	H
M	<i>Chironectes minimus</i>	Water Opossum, Yapok	1	974	224.45	3,371	LC	C
M	<i>Chrotopterus auritus</i>	Big-eared Woolly Bat, Woolly False Vampire Bat	0	78	9.79	7,501	LC	C
M	<i>Chrysocyon brachyurus</i>	Maned Wolf	0	23,325	123.28	7,943	NT	O
M	<i>Clyomys laticeps</i>	Broad-headed Spiny Rat	0	201	1.05	610	LC	H
M	<i>Coendou prehensilis</i>	Brazilian Porcupine	0	4,116	22.87	3,113	LC	H
M	<i>Cuniculus paca</i>	Spotted Paca	0	8,173	46.03	4,509	LC	H
M	<i>Cynomops abrasus</i>	Cinnamon Dog-faced Bat	0	35	3.46	4,586	DD	C
M	<i>Cynomops planirostris</i>	Southern Dog-faced Bat	0	13	0.92	2,446	LC	C
M	<i>Dasyprocta leporina</i>	Red-rumped Agouti, Brazilian Agouti	0	3,010	16.62	2,629	LC	H
M	<i>Dasypus novemcinctus</i>	Common Long-nosed Armadillo, Nine-banded Armadillo	0	3,949	836.42	11,714	LC	C
M	<i>Dasypus septemcinctus</i>	Brazilian Lesser Long-nosed Armadillo, Seven-banded Armadillo	0	1,527	342.33	5,027	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Desmodus rotundus</i>	Common Vampire Bat, Vampire Bat	0	33	3.18	4,404	LC	C
M	<i>Diaemus youngi</i>	White-winged Vampire Bat	0	37	3.63	4,691	LC	C
M	<i>Diclidurus albus</i>	Northern Ghost Bat	0	17	1.28	2,864	LC	C
M	<i>Didelphis albiventris</i>	White-eared Opossum	0	1,030	6.99	1,474	LC	O
M	<i>Diphylla ecaudata</i>	Hairy-legged Vampire Bat	0	28	2.56	3,976	LC	C
M	<i>Eira barbara</i>	Tayra, Greyheaded Tayra	0	4,135	25.10	3,121	LC	O
M	<i>Eptesicus brasiliensis</i>	Brazilian Brown Bat	0	9	0.59	1,989	LC	C
M	<i>Eptesicus furinalis</i>	Argentine Brown Bat, Argentinian Brown Bat	0	8	0.47	1,781	LC	C
M	<i>Eumops auripendulus</i>	Black Bonneted Bat	0	28	2.61	4,009	LC	C
M	<i>Eumops glaucinus</i>	Wagner's Bonneted Bat	0	36	3.57	4,651	LC	C
M	<i>Eumops perotis</i>	Greater Bonneted Bat, Western Bonneted Bat	0	51	5.58	5,750	LC	C
M	<i>Euphractus sexcinctus</i>	Six-banded Armadillo, Yellow Armadillo	0	4,731	26.35	3,356	LC	H
M	<i>Euryoryzomys lamia</i>	Monster Rice Rat	0	61	0.51	319	EN	O

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Furipterus horrens</i>	Thumbless Bat	0	3	0.15	1,023	LC	C
M	<i>Galea spixii</i>	Spix's Yellow-toothed Cavy	0	361	1.91	836	LC	H
M	<i>Galictis vittata</i>	Greater Grison	0	3,200	686.39	9,714	LC	C
M	<i>Glossophaga soricina</i>	Pallas's Long-tongued Bat	0	10	0.10	916	LC	O
M	<i>Gracilinanus agilis</i>	Agile Gracile Mouse Opossum, Agile Gracile Opossum, Agile Mouse Opossum	0	22	0.20	185	LC	O
M	<i>Histiotus velatus</i>	Tropical Big-eared Brown Bat	0	11	0.78	2,262	DD	C
M	<i>Hydrochoerus hydrochaeris</i>	Capybara	1	48,145	280.93	11,747	LC	H
M	<i>Hylaeamys megacephalus</i>	Large-headed Rice Rat	0	57	0.49	309	LC	O
M	<i>Lasiurus blossevillii</i>	Red Bat	0	8	0.49	1,824	LC	C
M	<i>Lasiurus cinereus</i>	Hawaiian Hoary Bat, Hoary Bat	0	27	2.44	3,883	LC	C
M	<i>Lasiurus ega</i>	Southern Yellow Bat	0	12	0.86	2,369	LC	C
M	<i>Leopardus colocolo</i>	Pampas Cat, Chilean Pampa Cat	0	3,935	833.63	11,677	NT	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Leopardus pardalis</i>	Ocelot	0	11,880	2355.35	31,218	LC	C
M	<i>Leopardus tigrinus</i>	Central American Oncilla, Central American Little Spotted Cat	0	2,250	492.92	7,100	EN	C
M	<i>Leopardus wiedii</i>	Margay, Tree Ocelot	0	3,271	700.65	9,905	NT	C
M	<i>Lonchorhina aurita</i>	Common Sword-nosed Bat, Tomes's Sword-nosed Bat	0	15	1.16	2,735	LC	C
M	<i>Lontra longicaudis</i>	Neotropical Otter, La Plata Otter, Long-tailed Otter, Neotropical River Otter, South American River Otter	1	6,555	1346.80	18,389	DD	C
M	<i>Lophostoma silvicolum</i>	White-throated Round- eared Bat	0	32	3.07	4,332	LC	C
M	<i>Macrophyllum macrophyllum</i>	Long-legged Bat	1	8	0.50	1,827	LC	C
M	<i>Mazama americana</i>	Red Brocket	0	20,547	117.87	7,417	DD	H
M	<i>Mazama gouazoubira</i>	Gray Brocket, Brown Brocket	0	16,633	95.01	6,618	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Micoureus constantiae</i>	Bay-colored Mouse Opossum, Pale-bellied Woolly Mouse Opossum, White-bellied Woolly Mouse Opossum	0	93	0.76	401	LC	O
M	<i>Micronycteris megalotis</i>	Little Big-eared Bat	0	6	0.07	846	LC	O
M	<i>Micronycteris minuta</i>	Tiny Big-eared Bat, White- bellied Big-eared Bat	0	7	0.08	857	LC	O
M	<i>Mimon bennettii</i>	Golden Bat, Southern Golden Bat	0	13	0.92	2,453	LC	C
M	<i>Molossops neglectus</i>	Rufous Dog-faced Bat	0	11	0.75	2,222	DD	C
M	<i>Molossops temminckii</i>	Dwarf Dog-faced Bat	0	6	0.33	1,504	LC	C
M	<i>Molossus molossus</i>	Pallas's Mastiff Bat	0	14	1.00	2,546	LC	C
M	<i>Molossus rufus</i>	Black Mastiff Bat	0	32	2.99	4,280	LC	C
M	<i>Monodelphis domestica</i>	Gray Short-tailed Opossum, Grey Short-tailed Opossum	0	93	24.78	418	LC	C
M	<i>Myotis albescens</i>	Silver-tipped Myotis	0	6	0.32	1,477	LC	C
M	<i>Myotis nigricans</i>	Black Myotis	0	4	0.21	1,230	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Myotis riparius</i>	Riparian Myotis	0	5	0.24	1,289	LC	C
M	<i>Myotis ruber</i>	Red Myotis	0	5	0.27	1,361	NT	C
M	<i>Myrmecophaga tridactyla</i>	Giant Anteater	0	29,532	5543.71	70,207	NT	C
M	<i>Nasua nasua</i>	South American Coati	0	3,776	23.08	2,971	LC	O
M	<i>Necomys lasiurus</i>	Hairy-tailed Bolo Mouse	0	40	0.35	255	LC	O
M	<i>Nectomys squamipes</i>	South American Water Rat	1	185	1.44	583	LC	O
M	<i>Noctilio albiventris</i>	Lesser Bulldog Bat	1	31	2.97	4,263	LC	C
M	<i>Noctilio leporinus</i>	Greater Bulldog Bat	1	30	2.78	4,133	LC	C
M	<i>Nyctinomops aurispinosus</i>	Peale's Free-tailed Bat	0	18	1.47	3,060	LC	C
M	<i>Nyctinomops laticaudatus</i>	Broad-eared Bat, Broad-eared Free-tailed Bat	0	13	0.94	2,479	LC	C
M	<i>Nyctinomops macrotis</i>	Big Free-tailed Bat	0	16	1.26	2,844	LC	C
M	<i>Oecomys bicolor</i>	Bicolored Arboreal Rice Rat	0	41	0.21	258	LC	H
M	<i>Oligoryzomys nigripes</i>	Black-footed Pygmy Rice Rat, Delta Pygmy Rice Rat	0	20	0.19	177	LC	O
M	<i>Oxymycterus roberti</i>	Robert's Hociبدو	0	84	22.34	379	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Ozotoceros bezoarticus</i>	Pampas Deer	0	34,620	200.68	9,831	NT	H
M	<i>Panthera onca</i>	Jaguar	1	83,943	14800.41	177,896	NT	C
M	<i>Pecari tajacu</i>	Collared Peccary	0	21,134	121.30	7,531	LC	H
M	<i>Peropteryx kappleri</i>	Greater Dog-like Bat	0	10	0.65	2,075	LC	C
M	<i>Peropteryx macrotis</i>	Lesser Dog-like Bat	0	6	0.32	1,475	LC	C
M	<i>Philander opossum</i>	Gray Four-eyed Opossum, Guaiki	0	426	3.10	914	LC	O
M	<i>Phyllostomus discolor</i>	Pale Spear-nosed Bat	0	37	0.25	1,158	LC	O
M	<i>Phyllostomus elongatus</i>	Lesser Spear-nosed Bat	0	42	0.28	1,186	LC	O
M	<i>Phyllostomus hastatus</i>	Greater Spear-nosed Bat	0	91	12.00	8,260	LC	C
M	<i>Platyrrhinus helleri</i>	Heller's Broad-nosed Bat	0	13	0.12	967	LC	O
M	<i>Platyrrhinus lineatus</i>	White-lined Bat, White- lined Broad-nosed Bat	0	24	0.19	1,076	LC	O
M	<i>Priodontes maximus</i>	Giant Armadillo	1	40,642	7484.51	93,284	VU	C
M	<i>Procyon cancrivorus</i>	Crab-eating Raccoon	1	6,932	40.37	4,125	LC	O
M	<i>Proechimys longicaudatus</i>	Long-tailed Spiny Rat	0	205	1.07	616	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Promops nasutus</i>	Brown Mastiff Bat	0	16	1.17	2,749	LC	C
M	<i>Pseudalopex vetulus</i>	Hoary Fox, Hoary Zorro, Small-toothed Dog	0	4,233	25.65	3,161	LC	O
M	<i>Pseudoryzomys simplex</i>	Brazilian False Rice Rat	0	45	0.39	272	LC	O
M	<i>Pteronura brasiliensis</i>	Giant Otter, Giant Brazilian Otter	1	26,000	4918.16	62,682	EN	C
M	<i>Puma concolor</i>	Puma, Cougar, Deer Tiger, Mountain Lion, Red Tiger	0	53,954	9768.56	120,038	LC	C
M	<i>Puma yagouaroundi</i>	Jaguarundi, Eyra Cat	0	6,875	1408.52	19,186	LC	C
M	<i>Pygoderma bilabiatum</i>	Ipanema Bat, Ipanema Broad-nosed Bat	0	19	0.16	1,024	LC	H
M	<i>Rhipidomys macrurus</i>	Cerrado Climbing Mouse	0	100	0.82	418	LC	O
M	<i>Rhynchonycteris naso</i>	Proboscis Bat	0	4	0.21	1,212	LC	C
M	<i>Saccopteryx leptura</i>	Lesser Sac-winged Bat	0	5	0.26	1,348	LC	C
M	<i>Sapajus libidinosus</i>	Bearded Capuchin	0	2,500	15.80	2,380	LC	O
M	<i>Sciurus aestuans</i>	Guianan Squirrel	0	177	0.93	570	LC	H

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Speothos venaticus</i>	Bush Dog, Savannah Dog, Vinegar Dog	0	6,325	1302.25	17,813	NT	C
M	<i>Sturnira lilium</i>	Little Yellow-shouldered Bat	0	20	0.17	1,040	LC	H
M	<i>Sturnira tildae</i>	Tilda Yellow-shouldered Bat	0	24	0.19	1,076	LC	H
M	<i>Sylvilagus brasiliensis</i>	Tapeti, Forest Rabbit	0	987	5.33	1,440	LC	H
M	<i>Tamandua tetradactyla</i>	Collared Anteater, Lesser Anteater, Northern Tamandua, Southern Tamandua, Tamandua	0	4,800	1004.83	13,936	LC	C
M	<i>Tapirus terrestris</i>	Lowland Tapir, Brazilian Tapir, South American Tapir	1	169,497	1014.23	23,180	VU	H
M	<i>Tayassu pecari</i>	White-lipped Peccary	0	31,799	184.01	9,390	NT	H
M	<i>Thalpomys cerradensis</i>	Cerrado Mouse	0	24	6.90	125	LC	C
M	<i>Thrichomys apereoides</i>	Punare	0	298	1.57	753	LC	H
M	<i>Thylamys velutinus</i>	Dwarf Fat-tailed Mouse Opossum, Velvety Fat- tailed Opossum	0	21	6.01	109	LC	C

Taxa								
B=Birds	Scientific Name	Common Name	W	Mass (grams)	HR (hectares)	DD (meters)	IUCN	TROPHIC LEVEL
M=Mammals								
M	<i>Tonatia bidens</i>	Greater Round-eared Bat	0	28	2.51	3,939	DD	C
M	<i>Trachops cirrhosus</i>	Fringe-lipped Bat	0	37	0.25	1,160	LC	O
M	<i>Uroderma bilobatum</i>	Tent-making Bat	0	16	0.14	1,001	LC	H

Table 7. Summary statistics for model parameters by trophic level for birds.

		Mass (grams)	Home Range Area (hectares)	Median Dispersal Distance (meters)
OVERALL (n = 407)	average	301	47	7,396
	sd	1,297	203	12,845
	median	42	1	2,197
	min	2.15	0.03	695.12
	max	23,875	3,150	115,318
Herbivores (n= 52)	average	271	1	1,335
	sd	589	1	439
	median	47	0.30	1,211
	min	7.50	0.08	870.42
	max	3,075	6	2,571
Omnivores (n= 139)	average	309	1	1,243
	sd	2,032	2	406
	median	31	0.23	1,126
	min	2.15	0.03	695.12
	max	23,875	23	3,717
Carnivores (n= 216)	average	302	88	12,815
	sd	653	272	15,752
	median	52	6	5,848
	min	6.00	0.34	1,526.00
	max	6,423	3,150	115,318

Table 8. Summary statistics for model parameters by trophic level for mammals.

		Mass (grams)	Home Range Area (hectares)	Median Dispersal Distance (meters)
OVERALL (n = 132)	average	6,388	449	7,708
	sd	20,612	1,778	21,494
	median	44	2	2,242
	min	3.15	0.07	109.36
	max	169,497	14,800	177,896
Herbivores (n=35)	average	13,978	82	3,869
	sd	33,971	202	5,157
	median	361	1.91	1,195
	min	12.31	0.12	257.50
	max	169,497	1,014	23,180
Omnivores (n=33)	average	1,634	9	1,381
	sd	4,243	23	1,573
	median	57	0.49	914
	min	6.40	0.07	143.52
	max	23,325	123	7,943
Carnivores (n=64)	average	4,688	877	13,070
	sd	13,779	2,478	29,659
	median	29	3	3,911
	min	3.15	0.15	109.36
	max	83,943	14,800	177,896

Table 9. Habitat suitability values for each land use/land cover type per species.

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Caprimulgus rufus</i>	Rufous Nightjar	0.5	1	1	0	0	0	0.2	0.2	0
B	<i>Capsiempis flaveola</i>	Yellow Tyrannulet	1	1	1	0	0	0	0	0	0
B	<i>Caracara plancus</i>	Southern Caracara	0.5	0.2	0.2	0.5	0.5	0.2	0.5	0.5	0.2
B	<i>Carduelis magellanica</i>	Hooded Siskin	0.5	0.5	0.5	0	0.5	0	0.2	0.5	0
B	<i>Cariama cristata</i>	Red-legged Seriema	1	0.2	0	0	0.2	0	0.5	0	0
B	<i>Casiornis rufus</i>	Rufous Casiornis	1	1	1	0	0	0	0	0	0
B	<i>Casmerodius albus</i>	Great Egret	0	0	0	1	0	0	0	0	0
B	<i>Cathartes aura</i>	Turkey Vulture	0.5	0.5	1	0.5	0	0	0.2	0	0
B	<i>Cathartes burrovianus</i>	Lesser Yellow-headed Vulture	0.5	0.2	0.5	0.5	0.2	0	0.2	0	0
B	<i>Catharus fuscescens</i>	Veery	0.5	1	1	0	0	0	0	0	0
B	<i>Celeus flavescens</i>	Blond-crested Woodpecker	0.5	1	1	0.2	0	0	0	0	0
B	<i>Certhiaxis cinnamomeus</i>	Yellow-chinned Spinetail	0	0	0	1	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Chaetura meridionalis</i>	Sick's Swift	0.5	1	1	0	0	0.2	0.2	0	0.2
B	<i>Charadrius collaris</i>	Collared Plover	0	0	0	1	0	0	0	0	0
B	<i>Chelidoptera tenebrosa</i>	Swallow-wing Puffbird	0.5	1	1	0	0	0	0	0	0
B	<i>Chiroxiphia caudata</i>	Swallow-tailed Manakin	0.2	1	1	0	0	0	0	0	0
B	<i>Chloroceryle aenea</i>	American Pygmy Kingfisher	0	0.5	0.5	0.5	0	0	0	0	0
B	<i>Chloroceryle amazona</i>	Amazon Kingfisher	0	0	0	0.5	0	0	0	0	0
B	<i>Chloroceryle americana</i>	Green Kingfisher	0	0.2	0.2	0.5	0	0	0	0	0
B	<i>Chlorostilbon lucidus</i>	Glittering-bellied Emerald	0.5	0.5	0.5	0.5	0	0	0.2	0	0.5
B	<i>Chordeiles acutipennis</i>	Lesser Nighthawk	1	0	0	0.5	0	0	0	0	0
B	<i>Chordeiles minor</i>	Common Nighthawk	0.5	0	0	0.5	0.2	0	0.2	0	0
B	<i>Chordeiles nacunda</i>	Nacunda Nighthawk	0.5	0	0	1	0	0	0.5	0	0
B	<i>Chordeiles pusillus</i>	Least Nighthawk	0.5	0	0	1	0	0	0	0	0
B	<i>Chrysolampis mosquitus</i>	Ruby-topaz Hummingbird	1	0.2	0.2	0.2	0.2	0	0.5	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Chrysomus ruficapillus</i>	Chestnut-capped Blackbird	0.5	0	0	1	0	0	0	0	0
B	<i>Circus buffoni</i>	Long-winged Harrier	0.5	0	0	1	0.5	0	0.2	0	0
B	<i>Cissopis leverianus</i>	Magpie Tanager	0.2	1	1	0	0	0	0	0	0
B	<i>Cistothorus platensis</i>	Sedge Wren	0.5	0	0	0.5	0	0	0.2	0	0
B	<i>Claravis pretiosa</i>	Blue Ground-dove	0.5	1	1	0	0	0	0	0	0
B	<i>Cnemotriccus fuscatus</i>	Fuscous Flycatcher	0.5	1	1	0	0	0	0	0	0
B	<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	0.5	1	1	0	0	0	0	0	0
B	<i>Coccyzus euleri</i>	Pearly-breasted Cuckoo	0.5	1	1	0	0	0	0.2	0.2	0
B	<i>Coccyzus melacoryphus</i>	Dark-billed Cuckoo	0.2	1	1	0	0	0	0.2	0.2	0
B	<i>Cochlearius cochlearius</i>	Boat-billed Heron	0	0	0.2	1	0	0	0	0	0
B	<i>Coereba flaveola</i>	Bananaquit	0.5	0.5	0.5	0	0	0	0	0.2	0.2
B	<i>Colaptes campestris</i>	Campo Flicker	1	0.2	0	0	0.2	0	0.5	0.2	0.2
B	<i>Colaptes melanochloros</i>	Green-barred Woodpecker	1	0.5	0.5	0	0	0	0.2	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Colibri serrirostris</i>	White-vented Violet-ear	1	0.5	0.5	0.5	0	0	0.2	0	0
B	<i>Colonia colonus</i>	Long-tailed Tyrant	0.2	1	1	0	0	0	0	0	0
B	<i>Columba livia</i>	Rock Pigeon	0.2	0	0	0	0.5	0.5	0.5	0	1
B	<i>Columbina minuta</i>	Plain-breasted Ground-dove	1	0.2	0.2	0.2	0.5	0.2	0.2	0	0
B	<i>Columbina squammata</i>	Scaled Dove	0.5	0.2	0.2	0.2	0.5	0.2	0.2	0	0
B	<i>Columbina talpacoti</i>	Ruddy Ground-dove	0.5	0.2	0	0	0.5	0.2	0.5	0	0.2
B	<i>Conirostrum speciosum</i>	Chestnut-vented Conebill	0.5	1	1	0	0	0	0	0	0
B	<i>Conopophaga lineata</i>	Rufous Gnateater	0.5	1	1	0	0	0	0	0	0
B	<i>Contopus cinereus</i>	Tropical Pewee	0.5	1	1	0	0	0	0	0	0
B	<i>Coragyps atratus</i>	Black Vulture	0.5	0.5	0.5	0.5	0	0	0.5	0	1
B	<i>Coryphasiza melanotis</i>	Black-masked Finch	1	0	0	1	0	0	0	0	0
B	<i>Coryphospingus cucullatus</i>	Red-crested Finch	1	0.2	0.2	0	0.5	0.2	0.5	0.2	0
B	<i>Corythopis delalandi</i>	Southern Antpipit	0	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Cranioleuca vulpina</i>	Rusty-backed Spinetail	1	1	1	0	0	0	0	0	0
B	<i>Crax fasciolata</i>	Bare-faced Curassow	0	1	1	0	0	0	0	0	0
B	<i>Crotophaga ani</i>	Smooth-billed Ani	0	0	0	0.2	0.2	0	0.5	0	0
B	<i>Crotophaga major</i>	Greater Ani	0	1	1	0.5	0	0	0	0	0
B	<i>Crypturellus parvirostris</i>	Small-billed Tinamou	0.5	0.2	0.2	0	0.2	0	0.2	0	0
B	<i>Crypturellus tataupa</i>	Tataupa Tinamou	0	1	1	0	0	0	0	0	0
B	<i>Crypturellus undulatus</i>	Undulated Tinamou	0.5	1	0.5	0	0	0	0	0	0
B	<i>Culicivora caudacuta</i>	Sharp-tailed Tyrant	1	0	0	0.5	0	0	0	0	0
B	<i>Cyanocompsa brissonii</i>	Ultramarine Grosbeak	1	0.5	0.5	0	0.2	0	0.2	0.2	0
B	<i>Cyanocorax cristatellus</i>	Curl-crested Jay	1	0.5	0.2	0	0	0	0.2	0.2	0
B	<i>Cyanocorax cyanopogon</i>	White-naped Jay	0	1	1	0	0	0	0	0	0
B	<i>Cyclarhis gujanensis</i>	Rufous-browed Peppershrike	1	1	1	0	0.2	0	0.2	0.2	0
B	<i>Cypseloides senex</i>	Great Dusky Swift	0.2	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Cypsnagra hirundinacea</i>	White-rumped Tanager	0.5	0.5	0	0	0	0	0	0	0
B	<i>Accipiter bicolor</i>	Bicoloured Hawk	0.5	1	1	0	0	0	0	0	0
B	<i>Accipiter striatus</i>	Sharp-shinned Hawk	0.5	0.5	1	0	0	0	0	0	0.2
B	<i>Actitis macularius</i>	Spotted Sandpiper	0	0	0	1	0	0	0	0	0
B	<i>Agelasticus cyanopus</i>	Unicoloured Blackbird	0	0	0	1	0	0	0	0	0
B	<i>Alectrurus tricolor</i>	Cock-tailed Tyrant	1	0	0	1	0	0	0	0	0
B	<i>Alopochelidon fucata</i>	Tawny-headed Swallow	1	0	0	0.5	0	0	0	0	0.2
B	<i>Amazilia fimbriata</i>	Glittering-throated Emerald	0.5	0.5	0.5	0.2	0.5	0	0.5	0.5	0.5
B	<i>Amazilia versicolor</i>	Versicoloured Emerald	0.5	1	1	0	0	0	0.2	0.2	0.5
B	<i>Amazona aestiva</i>	Turquoise-fronted Amazon	1	1	0.5	0.2	0	0	0	0	0.2
B	<i>Amazona amazonica</i>	Orange-winged Amazon	0.5	1	1	0.2	0	0	0	0	0.2
B	<i>Amazonetta brasiliensis</i>	Brazilian Teal	0.5	0	0	1	0	0	0	0	0
B	<i>Ammodramus humeralis</i>	Grassland Sparrow	0.5	0	0	0.5	0	0	0.5	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Anhima cornuta</i>	Horned Screamer	0	0	0	1	0	0	0	0	0
B	<i>Anhinga anhinga</i>	Anhinga	0	0	0.5	1	0	0	0	0	0
B	<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	1	1	1	0	0	0	0	0	0
B	<i>Anthracothorax nigricollis</i>	Black-throated Mango	1	0.5	0.5	0	1	0	0.2	0.2	0.2
B	<i>Anthus lutescens</i>	Yellowish Pipit	0	0	0	0.5	0.2	0	1	0	0
B	<i>Antilophia galeata</i>	Helmeted Manakin	0	1	1	0	0	0	0	0	0
B	<i>Anurolimnas viridis</i>	Russet-crowned Crake	0.5	0	0	1	0	0	0.2	0	0
B	<i>Aphantochroa cirrochloris</i>	Sombre Hummingbird	0.2	1	1	0	0.2	0	0	0.2	0
B	<i>Ara ararauna</i>	Blue-and-yellow Macaw	0.5	1	1	1	0	0	0	0	0
B	<i>Aramides cajaneus</i>	Grey-necked Wood-rail	0	0.5	1	1	0	0	0	0	0
B	<i>Aramides ypecaha</i>	Giant Wood-rail	0	0.5	0.5	1	0	0	0.2	0	0
B	<i>Aramus guaranauna</i>	Limpkin	0.5	0.2	0.2	1	0	0	0	0	0
B	<i>Aratinga aurea</i>	Peach-fronted Parakeet	0.5	0.5	0.5	0.2	0.2	0	0	0	0.2

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			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Aratinga auricapillus</i>	Golden-capped Parakeet	0.5	1	1	0	0.2	0	0.2	0.2	0
B	<i>Aratinga leucophthalma</i>	White-eyed Parakeet	0.5	1	1	0	0.2	0	0.5	0.2	0.2
B	<i>Ardea cocoi</i>	Cocoi Heron	0	0	0	1	0	0	0	0	0
B	<i>Arremon flavirostris</i>	Saffron-billed Sparrow	1	1	1	0	0	0	0	0	0
B	<i>Arundinicola leucocephala</i>	White-headed Marsh-tyrant	1	0	0	1	0	0	0	0	0
B	<i>Asio flammeus</i>	Short-eared Owl	0	0	0	0.5	0.5	0	0.5	0	0
B	<i>Asio stygius</i>	Stygian Owl	0	0.5	0.5	0	0	0	0.5	0	0.2
B	<i>Athene cunicularia</i>	Burrowing Owl	0.5	0	0	0	0.5	0	0.5	0	0.5
B	<i>Attila phoenicurus</i>	Rufous-tailed Attila	0.5	0.5	1	0	0	0	0	0	0
B	<i>Automolus leucophthalmus</i>	White-eyed Foliage-gleaner	0	1	1	0	0	0	0	0	0
B	<i>Bartramia longicauda</i>	Upland Sandpiper	1	0	0	0	0	0	0.5	0	0
B	<i>Baryphthengus ruficapillus</i>	Rufous-capped Motmot	0.2	1	1	0	0	0	0	0	0
B	<i>Basileuterus culicivorus</i>	Golden-crowned Warbler	0	1	1	0	0	0	0	0	0

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B	<i>Basileuterus flaveolus</i>	Flavescent Warbler	0	1	1	0	0	0	0	0	0
B	<i>Basileuterus hypoleucus</i>	White-bellied Warbler	0	1	1	0	0	0	0	0	0
B	<i>Basileuterus leucophrys</i>	White-striped Warbler	0	1	1	0.2	0	0	0	0	0
B	<i>Brachygalba lugubris</i>	Brown Jacamar	0.5	1	1	0	0	0	0	0	0
B	<i>Brotogeris chiriri</i>	Yellow-chevroned Parakeet	0.5	1	1	0.2	0.2	0	0.2	0.2	0.2
B	<i>Bubo virginianus</i>	Great Horned Owl	0.5	0.5	0.5	0	0	0	0	0	0
B	<i>Bubulcus ibis</i>	Cattle Egret	0	0	0	1	0.5	0	1	0	0
B	<i>Busarellus nigricollis</i>	Black-collared Hawk	0	1	1	0.5	0	0	0	0	0
B	<i>Buteo albicaudatus</i>	White-tailed Hawk	0.5	0.2	0.2	1	0	0	1	0	0
B	<i>Buteo brachyurus</i>	Short-tailed Hawk	0.5	0.5	0.5	0	0	0	0.2	0	0
B	<i>Buteo magnirostris</i>	Roadside Hawk	0.5	0.5	0.5	0	0.5	0	0.5	0.5	0.5
B	<i>Buteo nitidus</i>	Grey Hawk	0.5	0.5	1	1	0	0	0	0	0
B	<i>Buteogallus meridionalis</i>	Savanna Hawk	0.5	0.2	0.2	0.5	0.5	0	0.5	0	0

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B	<i>Buteogallus urubitinga</i>	Great Black-hawk	0.5	1	1	0.2	0.2	0	0.2	0	0
B	<i>Butorides striata</i>	Striated Heron	0	0	0	1	0	0	0	0	0
B	<i>Cacicus haemorrhous</i>	Red-rumped Cacique	0	1	1	0.5	0	0	0	0	0
B	<i>Cacicus solitarius</i>	Solitary Black Cacique	0	1	1	0	0	0	0	0	0
B	<i>Cairina moschata</i>	Muscovy Duck	0	0.5	0.5	1	0	0	0	0	0
B	<i>Calidris fuscicollis</i>	White-rumped Sandpiper	0	0	0	1	0	0	0	0	0
B	<i>Calidris melanotos</i>	Pectoral Sandpiper	0	0	0	1	0	0	0	0	0
B	<i>Calliphlox amethystina</i>	Amethyst Woodstar	0.5	0.5	0.5	0	0	0	0.2	0	0
B	<i>Campephilus melanoleucos</i>	Crimson-crested Woodpecker	0.5	1	1	0.2	0	0	0.2	0.2	0
B	<i>Campephilus robustus</i>	Robust Woodpecker	0	1	1	0.2	0	0	0	0	0
B	<i>Camptostoma obsoletum</i>	Southern Beardless-tyrannulet	0.5	0.5	0.5	0	0	0	0.5	0.2	0.2
B	<i>Campylorhamphus trochilirostris</i>	Red-billed Scythebill	1	1	1	0	0	0	0	0	0
B	<i>Caprimulgus maculicaudus</i>	Spot-tailed Nightjar	0.5	0	0	1	0	0	0.5	0	0

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B	<i>Caprimulgus parvulus</i>	Little Nightjar	0.5	1	1	0	0.2	0	0.2	0.2	0
B	<i>Dacnis cayana</i>	Blue Dacnis	0.5	1	1	0	0	0	0	0.2	0
B	<i>Dendrocolaptes platyrostris</i>	Planalto Woodcreeper	0.2	1	1	0	0	0	0	0	0
B	<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-duck	0	0	0	1	0	0	0	0	0
B	<i>Dendrocygna viduata</i>	White-faced Whistling-duck	0	0	0	1	0	0	0	0	0
B	<i>Diopsittaca nobilis</i>	Red-shouldered Macaw	0.5	1	1	0	0	0	0	0	0
B	<i>Donacobius atricapilla</i>	Black-capped Donacobius	0.2	0	0	1	0	0	0	0	0
B	<i>Dromococcyx phasianellus</i>	Pheasant Cuckoo	0	1	1	0	0	0	0	0	0
B	<i>Dryocopus lineatus</i>	Lineated Woodpecker	1	1	1	0.2	0.2	0	0.2	0.5	0
B	<i>Dysithamnus mentalis</i>	Plain Antvireo	1	0.5	1	0	0	0	0	0	0
B	<i>Egretta thula</i>	Snowy Egret	0	0	0	1	0	0	0	0	0
B	<i>Elaenia albiceps</i>	White-crested Elaenia	0.5	0.5	0.5	0	0	0	0.5	0	0
B	<i>Elaenia chiriquensis</i>	Lesser Elaenia	1	0.5	0.5	0	0.2	0	0.5	0.5	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
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B	<i>Elaenia cristata</i>	Plain-crested Elaenia	1	0.5	0	0	0	0	0	0	0
B	<i>Elaenia flavogaster</i>	Yellow-bellied Elaenia	0.5	0.2	0.2	0	0.2	0	0.5	0	0
B	<i>Elaenia mesoleuca</i>	Olivaceous Elaenia	0.2	0.5	0.5	0	0	0	0	0	0
B	<i>Elaenia obscura</i>	Highland Elaenia	0.5	1	1	0	0	0	0	0	0
B	<i>Elaenia parvirostris</i>	Small-billed Elaenia	0.5	0.5	0.5	0	0	0	0	0	0
B	<i>Elaenia spectabilis</i>	Large Elaenia	0.5	1	0.5	0	0	0	0	0	0
B	<i>Elanoides forficatus</i>	American Swallow-tailed Kite	0	1	1	0	0	0	0	0	0
B	<i>Elanus leucurus</i>	White-tailed Kite	0.5	0.2	0.2	0.5	0	0	0.5	0	0
B	<i>Emberizoides herbicola</i>	Wedge-tailed Grass-finch	1	0	0	0.5	0	0	0.5	0	0
B	<i>Empidonomus varius</i>	Variegated Flycatcher	1	1	1	0	0	0	0.2	0	0
B	<i>Eucometis penicillata</i>	Grey-headed Tanager	0.5	1	1	0	0	0	0	0	0
B	<i>Eupetomena macroura</i>	Swallow-tailed Hummingbird	1	0.5	0.5	0	0	0	0.2	0.2	0
B	<i>Euphonia chlorotica</i>	Purple-throated Euphonia	0.5	0.5	0.5	0	0	0	0.5	0.2	0

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B	<i>Euphonia pectoralis</i>	Chestnut-bellied Euphonia	0	1	1	0	0	0	0	0	0
B	<i>Euphonia violacea</i>	Violaceous Euphonia	0.5	1	1	0	0	0	0	0	0
B	<i>Euscarthmus meloryphus</i>	Tawny-crowned Pygmy-tyrant	1	0.2	0.2	0	0	0	0.5	0	0
B	<i>Euscarthmus rufomarginatus</i>	Rufous-sided Pygmy-tyrant	1	0	0	0	0	0	0	0	0
B	<i>Falco femoralis</i>	Aplomado Falcon	0.5	0.2	0.2	0.5	0.2	0	0.5	0	0
B	<i>Falco peregrinus</i>	Peregrine Falcon	0.5	0.5	0.5	0.5	0	0	0	0	0.5
B	<i>Falco rufigularis</i>	Bat Falcon	0.5	1	1	0	0	0	0	0	0
B	<i>Falco sparverius</i>	American Kestrel	0.5	0.2	0	0.5	0.2	0	0.5	0	0.2
B	<i>Fluvicola albiventer</i>	Black-backed Water-tyrant	1	0	0	1	0	0	0	0	0
B	<i>Formicivora melanogaster</i>	Black-bellied Antwren	1	1	0.5	0	0	0	0	0	0
B	<i>Formicivora rufa</i>	Rusty-backed Antwren	0.5	0.5	0.5	0.2	0	0	0.2	0	0
B	<i>Forpus xanthopterygius</i>	Blue-winged Parrotlet	0.5	1	1	0	0.5	0	0.5	0.2	0
B	<i>Furnarius rufus</i>	Rufous Hornero	1	0.2	0	0	0.2	0	0.5	0	0

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			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Galbula ruficauda</i>	Rufous-tailed Jacamar	0.5	1	1	0	0	0	0	0	0
B	<i>Gallinago paraguaiae</i>	South American Snipe	0	0	0	1	0	0	0.5	0	0
B	<i>Gallinago undulata</i>	Giant Snipe	0.5	0	0	1	0	0	0	0	0
B	<i>Gallinula chloropus</i>	Common Moorhen	0	0	0	1	0	0	0	0	0
B	<i>Gampsonyx swainsonii</i>	Pearl Kite	1	0.5	0.5	0.2	0.2	0	0.2	0	0
B	<i>Geositta poeciloptera</i>	Campo Miner	1	0	0	0	0	0	0	0	0
B	<i>Geothlypis aequinoctialis</i>	Masked Yellowthroat	0.5	0	0	0.5	0	0	0	0	0
B	<i>Geotrygon montana</i>	Ruddy Quail-dove	0	1	1	0	0	0	0	0	0
B	<i>Geranospiza caerulescens</i>	Crane Hawk	0.5	0.5	0.5	0.5	0.2	0	0	0.2	0
B	<i>Glaucidium brasilianum</i>	Ferruginous Pygmy-owl	1	0.5	0.5	0.2	0	0	0.2	0	0
B	<i>Gnorimopsar chopi</i>	Chopi Blackbird	0.5	0.5	0.5	0.5	0.5	0	0.5	0.2	0
B	<i>Gubernetes yetapa</i>	Streamer-tailed Tyrant	0.5	0.2	0.2	1	0	0	0	0	0
B	<i>Guira guira</i>	Guira Cuckoo	0.5	0.2	0.2	0.5	0.2	0	0.5	0.2	0

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			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Harpagus diodon</i>	Rufous-thighed Kite	0	1	1	0	0	0	0	0	0
B	<i>Harpyhaliaetus coronatus</i>	Crowned Eagle	1	0.2	0.2	0.2	0	0	0.2	0	0
B	<i>Heliactin bilophus</i>	Horned Sungem	0.5	0.5	0.2	0	0	0	0	0	0
B	<i>Heliomaster squamosus</i>	Stripe-breasted Starthroat	1	1	0.5	0	0	0	0	0	0
B	<i>Hemithraupis guira</i>	Guira Tanager	0.5	1	1	0	0	0	0	0	0
B	<i>Hemitriccus margaritaceiventer</i>	Pearly-vented Tody-tyrant	1	1	0.5	0	0	0	0.2	0	0
B	<i>Herpetotheres cachinnans</i>	Laughing Falcon	0.5	1	1	0.2	0	0	0	0	0
B	<i>Herpsilochmus atricapillus</i>	Black-capped Antwren	0	1	1	0	0	0	0	0	0
B	<i>Herpsilochmus longirostris</i>	Large-billed Antwren	0	1	1	0	0	0	0	0	0
B	<i>Hirundinea ferruginea</i>	Cliff Flycatcher	0.5	0.5	0.5	0	0	0	0.2	0.2	0
B	<i>Hirundo rustica</i>	Barn Swallow	0.5	0	0	0.5	0.5	0.5	0.5	0	0.2
B	<i>Hydropsalis torquata</i>	Scissor-tailed Nightjar	0.5	0.2	0.2	0.5	0	0	0	0	0
B	<i>Hylocryptus rectirostris</i>	Chestnut-capped Foliage-gleaner	0	1	1	0	0	0	0	0	0

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			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Hypodaleus guttatus</i>	Spot-backed Antshrike	0	1	1	0	0	0	0	0	0
B	<i>Ibycter americanus</i>	Red-throated Caracara	0	1	1	0	0	0	0	0	0
B	<i>Icterus cayanensis</i>	Epaulet Oriole	0	1	1	0	0	0	0	0	0
B	<i>Ictinia plumbea</i>	Plumbeous Kite	0.5	1	1	0	0	0	0	0	0
B	<i>Jabiru mycteria</i>	Jabiru	0	0	0	1	0	0	0	0	0
B	<i>Jacana jacana</i>	Wattled Jacana	0	0	0	1	0	0	0	0	0
B	<i>Larus cirrocephalus</i>	Grey-headed Gull	0	0	0	1	0	0	0.5	0	0.5
B	<i>Laterallus melanophaius</i>	Rufous-sided Crake	0	0	0	1	0	0	0	0	0
B	<i>Lathrotriccus euleri</i>	Euler's Flycatcher	0.5	1	1	0	0	0	0	0	0
B	<i>Legatus leucophaius</i>	Piratic Flycatcher	0.2	1	1	0	0	0	0.2	0	0
B	<i>Lepidocolaptes angustirostris</i>	Narrow-billed Woodcreeper	1	1	0.2	0	0	0	0.2	0.2	0
B	<i>Leptodon cayanensis</i>	Grey-headed Kite	0.5	1	1	0	0	0	0	0	0
B	<i>Leptopogon amaurocephalus</i>	Sepia-capped Flycatcher	0.5	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Leptotila rufaxilla</i>	Grey-fronted Dove	0.2	1	1	0	0	0	0	0	0
B	<i>Leptotila verreauxi</i>	White-tipped Dove	0.5	1	1	0	0	0	0	0	0
B	<i>Leucochloris albicollis</i>	White-throated Hummingbird	0.5	1	1	0.2	0	0	0.2	0	0
B	<i>Lochmias nematura</i>	Sharp-tailed Streamcreeper	0	0.5	1	0	0	0	0	0	0
B	<i>Lophornis magnificus</i>	Frilled Coquette	0.5	0.5	1	0	0	0	0	0	0
B	<i>Megaceryle torquata</i>	Ringed Kingfisher	0	0	0	1	0	0	0	0	0
B	<i>Megarynchus pitangua</i>	Boat-billed Flycatcher	1	0.5	0.5	0	0.5	0	0.5	0.5	0
B	<i>Megascops atricapilla</i>	Black-capped Screech-owl	0.2	1	1	0.2	0	0	0	0	0
B	<i>Megascops choliba</i>	Tropical Screech-owl	0.5	0.5	0.5	0.2	0.2	0	0.2	0.2	0
B	<i>Melanerpes candidus</i>	White Woodpecker	1	0.5	0	0.2	0.2	0	0.5	0	0
B	<i>Melanerpes flavifrons</i>	Yellow-fronted Woodpecker	0.2	0.5	1	0.2	0	0	0	0	0
B	<i>Melanopareia torquata</i>	Collared Crescentchest	1	0	0	0	0	0	0	0	0
B	<i>Mergus octosetaceus</i>	Brazilian Merganser	0	0	0	1	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Mesembrinibis cayennensis</i>	Green Ibis	0	0	1	0.5	0	0	0	0	0
B	<i>Micrastur ruficollis</i>	Barred Forest-falcon	0	1	1	0.2	0	0	0	0	0
B	<i>Micrastur semitorquatus</i>	Collared Forest-falcon	0.5	1	1	0.2	0	0	0	0	0
B	<i>Micropygia schomburgkii</i>	Ocellated Crake	1	0	0	0.5	0	0	0	0	0
B	<i>Milvago chimachima</i>	Yellow-headed Caracara	0.5	0.2	0.2	0.5	0	0	0.5	0	0
B	<i>Mimus saturninus</i>	Chalk-browed Mockingbird	1	0	0	0	0	0	0.5	0	0
B	<i>Molothrus bonariensis</i>	Shiny Cowbird	0.5	0	0	0.2	0.5	0	1	0	0
B	<i>Molothrus oryzivorus</i>	Giant Cowbird	0	1	1	0.2	0	0	0	0	0
B	<i>Momotus momota</i>	Blue-crowned Motmot	0.2	1	1	0	0	0	0	0	0
B	<i>Monasa nigrifrons</i>	Black-fronted Nunbird	0.5	1	1	0	0	0	0	0	0
B	<i>Mycteria americana</i>	Wood Stork	0	0	0	1	0	0	0	0	0
B	<i>Myiarchus ferox</i>	Short-crested Flycatcher	0.5	1	1	0	0	0	0.2	0	0
B	<i>Myiarchus swainsoni</i>	Swainson's Flycatcher	1	1	1	0	0	0	0.2	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Myiarchus tyrannulus</i>	Brown-crested Flycatcher	0.5	0.5	0.5	0	0	0	0.5	0	0
B	<i>Myiodynastes maculatus</i>	Streaked Flycatcher	0.5	1	1	0	0	0	0	0	0
B	<i>Myiopagis caniceps</i>	Grey Elaenia	0	1	1	0	0	0	0	0	0
B	<i>Myiopagis gaimardii</i>	Forest Elaenia	0.2	1	1	0	0	0	0	0	0
B	<i>Myiopagis viridicata</i>	Greenish Elaenia	0.5	1	1	0	0	0	0	0	0
B	<i>Myiophobus fasciatus</i>	Bran-coloured Flycatcher	0.5	0.2	0.2	0	0	0	0.5	0	0
B	<i>Myiozetetes cayanensis</i>	Rusty-margined Flycatcher	0.5	0.5	0.5	0	0	0	0.2	0	0
B	<i>Myiozetetes similis</i>	Social Flycatcher	1	0.5	0.5	0	0.5	0	0.5	0.5	0.5
B	<i>Nemosia pileata</i>	Hooded Tanager	1	1	1	0	0	0	0	0	0
B	<i>Neothraupis fasciata</i>	White-banded Tanager	1	0	0	0	0	0	0	0	0
B	<i>Nomonyx dominicus</i>	Masked Duck	0	0	0	1	0	0	0	0	0
B	<i>Nonnula rubecula</i>	Rusty-breasted Nunlet	0.2	1	1	0	0	0	0	0	0
B	<i>Nothura maculosa</i>	Spotted Nothura	0.5	0	0	0	0.5	0	0.5	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Nothura minor</i>	Lesser Nothura	1	0	0	0	0	0	0	0	0
B	<i>Nyctibius griseus</i>	Grey Potoo	0.5	1	1	0	0	0	0.2	0	0
B	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	0	0	0	1	0	0	0	0	0
B	<i>Nyctidromus albicollis</i>	Common Pauraque	0.5	1	1	0.5	0.5	0	0.5	0.5	0
B	<i>Nyctiphrynus ocellatus</i>	Ocellated Poorwill	0	1	1	0	0	0	0	0	0
B	<i>Nystalus chacuru</i>	White-eared Puffbird	0.5	0.2	0	0	0	0	0.2	0	0
B	<i>Orthopsittaca manilata</i>	Red-bellied Macaw	0.5	0.5	1	1	0	0	0	0	0
B	<i>Oryzoborus angolensis</i>	Lesser Seed-finch/Chestnut-bellied Seed-finch	0.5	0.5	0.5	0.5	0	0	0	0	0
B	<i>Oryzoborus maximiliani</i>	Great-billed Seed-Finch	1	0	0	1	0	0	0.5	0	0
B	<i>Pachyramphus castaneus</i>	Chestnut-crowned Becard	0.2	1	1	0	0	0	0	0	0
B	<i>Pachyramphus polychopterus</i>	White-winged Becard	0.2	1	1	0	0	0	0	0	0
B	<i>Pachyramphus validus</i>	Crested Becard	0	1	1	0	0	0	0.2	0.2	0
B	<i>Pachyramphus viridis</i>	Green-backed Becard	0.5	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Pandion haliaetus</i>	Osprey	0	0	0	1	0	0	0	0	0
B	<i>Parabuteo unicinctus</i>	Harris's Hawk	1	0.5	0.5	0.5	0.2	0	0.2	0	0
B	<i>Pardirallus nigricans</i>	Blackish Rail	0	0	0	1	0	0	0	0	0
B	<i>Parula pitiayumi</i>	Tropical Parula	0.5	1	1	0	0	0	0.2	0	0
B	<i>Passer domesticus</i>	House Sparrow	0.5	0	0	0	0.5	0.5	0.5	0.5	1
B	<i>Patagioenas cayennensis</i>	Pale-vented Pigeon	0.5	1	1	0	0	0	0.2	0	0
B	<i>Patagioenas picazuro</i>	Picazuro Pigeon	1	0	0	0.5	0.5	0.5	0.5	0.2	0
B	<i>Penelope supercilialis</i>	Rusty-margined Guan	0.5	1	1	0	0	0	0	0	0
B	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	0.5	0.5	0.5	0	0.5	0.2	0.5	0	0
B	<i>Phacellodomus ruber</i>	Greater Thornbird	1	1	0.5	0.2	0	0	0	0	0
B	<i>Phaeomyias murina</i>	Mouse-coloured Tyrannulet	1	1	0.5	0	0	0	0	0	0
B	<i>Phaethornis pretrei</i>	Planalto Hermit	1	1	0.2	0	0	0	0.2	0	0
B	<i>Phaetusa simplex</i>	Large-billed Tern	0	0	0	1	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Phalacrocorax brasilianus</i>	Neotropic Cormorant	0	0	0	1	0	0	0	0	0
B	<i>Philydor lichtensteini</i>	Ochre-breasted Foliage-gleaner	0	1	1	0	0	0	0	0	0
B	<i>Philydor rufum</i>	Buff-fronted Foliage-gleaner	0	1	1	0	0	0	0	0	0
B	<i>Phimosus infuscatus</i>	Bare-faced Ibis	0	0	0	1	0	0	0	0	0
B	<i>Phyllomyias fasciatus</i>	Planalto Tyrannulet	0	1	1	0	0	0	0	0	0
B	<i>Piaya cayana</i>	Squirrel Cuckoo	0.5	1	1	0	0	0	0.2	0.2	0
B	<i>Picumnus albosquamatus</i>	White-wedged Piculet	1	1	1	0	0	0	0	0	0
B	<i>Pilherodius pileatus</i>	Capped Heron	0	0	0	1	0	0	0	0	0
B	<i>Pionus maximiliani</i>	Scaly-headed Parrot	0.5	1	1	0	0	0	0	0	0
B	<i>Pipra fasciicauda</i>	Band-tailed Manakin	0	1	1	0	0	0	0	0	0
B	<i>Piranga flava</i>	Hepatic Tanager	0.5	0.5	0.5	0	0	0	0	0.2	0
B	<i>Pitangus lictor</i>	Lesser Kiskadee	1	0.5	0.5	0.5	0	0	0.5	0	0
B	<i>Pitangus sulphuratus</i>	Great Kiskadee	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.5	0.5

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Platalea ajaja</i>	Roseate Spoonbill	0	0	0	1	0	0	0	0	0
B	<i>Platyrinchus mystaceus</i>	White-throated Spadebill	0.5	1	1	0	0	0	0	0	0
B	<i>Pluvialis dominica</i>	American Golden Plover	0.5	0	0	1	0	0	0	0	0
B	<i>Podilymbus podiceps</i>	Pied-billed Grebe	0	0	0	1	0	0	0	0	0
B	<i>Poecilatriccus latirostris</i>	Rusty-fronted Tody-flycatcher	1	0.5	0.5	0	0	0	0.5	0	0
B	<i>Polioptila dumicola</i>	Masked Gnatcatcher	1	1	1	0	0	0	0	0	0
B	<i>Polystictus pectoralis</i>	Bearded Tachuri	1	0	0	1	0	0	0	0	0
B	<i>Polytmus guainumbi</i>	White-tailed Goldenthrroat	1	0	0	0.5	0	0	0	0	0
B	<i>Poospiza cinerea</i>	Cinereous Warbling-finch	1	0	0	0	0	0	0	0	0
B	<i>Porphyrio flavirostris</i>	Azure Gallinule	0	0	0	1	0	0	0	0	0
B	<i>Porphyrio martinicus</i>	Yellow-legged Gallinule	0	0	0	1	0	0	0	0	0
B	<i>Porzana albicollis</i>	Ash-throated Crake	0	0	0	1	0	0	0	0	0
B	<i>Primolius maracana</i>	Blue-winged Macaw	1	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Progne chalybea</i>	Grey-breasted Martin	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.2	0
B	<i>Progne subis</i>	Purple Martin	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.2	0
B	<i>Progne tapera</i>	Brown-chested Martin	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.2	0
B	<i>Psarocolius decumanus</i>	Crested Oropendola	0	1	1	0	0	0	0	0	0
B	<i>Pseudoleistes guirahuro</i>	Yellow-rumped Marshbird	0.5	0	0	1	0.2	0	0	0	0
B	<i>Pseudoscops clamator</i>	Striped Owl	0.5	0.5	0.5	0.2	0.5	0	0.5	0	0
B	<i>Pteroglossus castanotis</i>	Chestnut-eared Aracari	0.5	1	1	0.2	0	0	0	0	0
B	<i>Pulsatrix perspicillata</i>	Spectacled Owl	0.5	1	1	0	0	0	0	0	0
B	<i>Pygochelidon cyanoleuca</i>	Blue-and-white Swallow	0.2	0.2	0.2	0.2	0.5	0.2	0.5	0	0.2
B	<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	0.5	0.2	0.2	0	0.5	0	0.5	0	0
B	<i>Pyroderus scutatus</i>	Red-ruffed Fruitcrow	0	0.5	1	0	0	0	0	0	0
B	<i>Ramphastos dicolorus</i>	Red-breasted Toucan	0.5	0.5	1	0	0	0	0	0	0
B	<i>Ramphastos toco</i>	Toco Toucan	0.5	1	0.5	0.2	0.2	0	0.2	0.2	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Ramphocelus carbo</i>	Silver-beaked Tanager	0.5	0.5	0.5	0	0	0	0.2	0.2	0
B	<i>Rhea americana</i>	Greater Rhea	1	0	0	0.2	0.5	0	0.5	0	0
B	<i>Rhynchotus rufescens</i>	Red-winged Tinamou	1	0	0	0.5	0	0	0.5	0	0
B	<i>Riparia riparia</i>	Sand Martin	0.5	0.2	0.2	0.5	0.5	0.2	0.5	0	0
B	<i>Rostrhamus sociabilis</i>	Snail Kite	0	0	0	1	0	0	0	0	0
B	<i>Rynchops niger</i>	Black Skimmer	0	0	0	1	0	0	0	0	0
B	<i>Saltator atricollis</i>	Black-throated Saltator	1	0.2	0.2	0	0	0	0	0	0
B	<i>Saltator maximus</i>	Buff-throated Saltator	0.2	1	1	0	0	0	0	0	0
B	<i>Saltator similis</i>	Green-winged Saltator	0.2	1	1	0	0	0	0	0	0
B	<i>Sarcoramphus papa</i>	King Vulture	0.5	1	1	0.5	0	0	0	0	0
B	<i>Sarkidiornis melanotos</i>	Comb Duck	0	0	0	1	0	0	0	0	0
B	<i>Satrapa icterophrys</i>	Yellow-browed Tyrant	0.2	0.5	0.5	0.2	0	0	0.5	0	0
B	<i>Schiffornis virescens</i>	Greenish Schiffornis	0	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Schistochlamys melanopis</i>	Black-faced Tanager	0.5	0.2	0.2	0.2	0	0	0	0	0
B	<i>Sclerurus scansor</i>	Rufous-breasted Leaftosser	0	1	1	0	0	0	0	0	0
B	<i>Serpophaga nigricans</i>	Sooty Tyrannulet	0.2	0	0	1	0	0	0	0	0
B	<i>Serpophaga subcristata</i>	White-crested Tyrannulet	0.5	0.5	0.5	0	0.5	0	0.5	0.2	0
B	<i>Sicalis luteola</i>	Grassland Yellow-finch	0.5	0	0	0.5	0	0	0.5	0	0
B	<i>Sirystes sibilator</i>	Sirystes	0	1	1	0	0	0	0	0	0
B	<i>Sittasomus griseicapillus</i>	Olivaceous Woodcreeper	0.5	1	1	0	0	0	0	0	0
B	<i>Spizaetus melanoleucus</i>	Black-and-white Hawk-eagle	0.5	1	1	0.2	0	0	0	0	0
B	<i>Sporophila bouvreuil</i>	Capped Seedeater	1	0	0	0.5	0	0	0	0	0
B	<i>Sporophila caerulecens</i>	Double-collared Seedeater	1	0	0	0.5	0.5	0.2	0.5	0	0
B	<i>Sporophila collaris</i>	Rusty-collared Seedeater	0.2	0	0	1	0	0	0	0	0
B	<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	0.5	0	0	1	0	0	0	0	0
B	<i>Sporophila hypoxantha</i>	Tawny-bellied Seedeater	0.5	0	0	1	0	0	0.2	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Sporophila leucoptera</i>	White-bellied Seedeater	1	0	0	0.5	0	0	0	0	0
B	<i>Sporophila lineola</i>	Lined Seedeater	1	0	0	0	0	0	0.5	0	0
B	<i>Sporophila melanogaster</i>	Black-bellied Seedeater	0	0	0	1	0	0	0	0	0
B	<i>Sporophila nigricollis</i>	Yellow-bellied Seedeater	0.5	0	0	0	0.5	0	0.5	0	0
B	<i>Sporophila palustris</i>	Marsh Seedeater	1	0	0	1	0	0	0	0	0
B	<i>Sporophila plumbea</i>	Plumbeous Seedeater	1	0	0	1	0	0	0	0	0
B	<i>Sporophila ruficollis</i>	Dark-throated Seedeater	0.5	0	0	1	0	0	0	0	0
B	<i>Stelgidopteryx ruficollis</i>	Southern Rough-winged Swallow	1	0.5	0.5	0.2	0.2	0.2	0.5	0.2	0.2
B	<i>Sterna superciliaris</i>	Yellow-billed Tern	0	0	0	1	0	0	0	0	0
B	<i>Streptoprocne zonaris</i>	White-collared Swift	0.2	0.5	0.5	0.5	0.2	0	0.2	0.2	0
B	<i>Sublegatus modestus</i>	Southern Scrub-flycatcher	1	1	0.5	0	0	0	0	0	0
B	<i>Suiriri islerorum</i>	Chapada Flycatcher	1	0.2	0.2	0	0	0	0.2	0	0
B	<i>Suiriri suiriri</i>	Suiriri Flycatcher	1	0.2	0.2	0	0	0	0.2	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Synallaxis albescens</i>	Pale-breasted Spinetail	1	0	0	0.5	0	0	0.2	0	0
B	<i>Synallaxis frontalis</i>	Sooty-fronted Spinetail	0.5	1	1	0	0.2	0	0.2	0	0
B	<i>Synallaxis hyospodia</i>	Cinereous-breasted Spinetail	1	0.2	0.2	1	0	0	0	0	0
B	<i>Synallaxis scutata</i>	Ochre-cheeked Spinetail	0	1	1	0	0	0	0	0	0
B	<i>Syndactyla dimidiata</i>	Russet-mantled Foliage-gleaner	0	1	1	0	0	0	0	0	0
B	<i>Tachornis squamata</i>	Fork-tailed Palm-swift	0.2	0	0	1	0	0	0	0	0.5
B	<i>Tachybaptus dominicus</i>	Least Grebe	0	0	0	1	0	0	0	0	0
B	<i>Tachycineta albiventer</i>	White-winged Swallow	0.5	0	0	1	0	0	0.5	0	0
B	<i>Tachycineta leucorrhoa</i>	White-rumped Swallow	0.5	0	0	1	0	0	0.5	0	0
B	<i>Tangara cayana</i>	Burnished-buff Tanager	0.5	0.2	0.2	0.2	0.2	0	0.2	0.2	0
B	<i>Taoniscus nanus</i>	Dwarf Tinamou	1	0	0	0	0	0	0	0	0
B	<i>Tapera naevia</i>	Striped Cuckoo	0.5	0.2	0.2	0.5	0	0	0.2	0	0
B	<i>Taraba major</i>	Great Antshrike	1	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Tersina viridis</i>	Swallow Tanager	0.2	1	1	0	0	0	0	0	0
B	<i>Thalurania furcata</i>	Fork-tailed Woodnymph	0.2	1	1	0	0	0	0	0	0
B	<i>Thamnophilus caerulescens</i>	Variable Antshrike	0.5	1	1	0	0	0	0	0	0
B	<i>Thamnophilus doliatus</i>	Barred Antshrike	1	1	1	0	0.2	0	0.2	0	0
B	<i>Thamnophilus pelzelni</i>	Planalto Slaty-antshrike	0	1	1	0	0	0	0	0	0
B	<i>Thamnophilus torquatus</i>	Rufous-winged Antshrike	1	0.5	0.5	0	0	0	0	0	0
B	<i>Theristicus caudatus</i>	Buff-necked Ibis	0	0	0	1	0	0	0.5	0	0
B	<i>Thlypopsis sordida</i>	Orange-headed Tanager	0.5	1	1	0	0	0	0.2	0	0
B	<i>Thraupis palmarum</i>	Palm Tanager	1	1	1	0	0.5	0	0.2	0.5	0
B	<i>Thraupis sayaca</i>	Sayaca Tanager	0.5	0.5	0.5	0	0.5	0.2	0.5	0.5	0.2
B	<i>Thryothorus leucotis</i>	Buff-breasted Wren	0.2	1	1	0	0	0	0	0	0
B	<i>Tigrisoma lineatum</i>	Rufescent Tiger-heron	0	0	0	1	0	0	0	0	0
B	<i>Tityra cayana</i>	Black-tailed Tityra	0.2	1	1	0.2	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Tityra inquisitor</i>	Black-crowned Tityra	0.2	1	1	0.2	0	0	0	0	0
B	<i>Todirostrum cinereum</i>	Common Tody-flycatcher	0.5	0.5	0.5	0	0	0	0.2	0.2	0.2
B	<i>Tolmomyias sulphurescens</i>	Yellow-olive Flycatcher	0.5	1	1	0	0	0	0	0	0
B	<i>Trichothraupis melanops</i>	Black-goggled Tanager	0	1	1	0	0	0	0	0	0
B	<i>Tringa flavipes</i>	Lesser Yellowlegs	0.5	0	0	1	0	0	0	0	0
B	<i>Tringa melanoleuca</i>	Greater Yellowlegs	0.5	0	0	1	0	0	0	0	0
B	<i>Tringa solitaria</i>	Solitary Sandpiper	0.5	0	0	1	0	0	0	0	0
B	<i>Troglodytes aedon</i>	House Wren	0.5	0	0	0	0.5	0.2	0.5	0.5	0
B	<i>Trogon surrucura</i>	Surucua Trogon	0	1	1	0	0	0	0	0	0
B	<i>Turdus amaurochalinus</i>	Creamy-bellied Thrush	1	1	1	0	0	0	0	0	0
B	<i>Turdus leucomelas</i>	Pale-breasted Thrush	0.5	1	1	0	0	0	0.2	0.2	0
B	<i>Turdus nigriceps</i>	Slaty Thrush	0.2	1	1	0	0	0	0.2	0.2	0
B	<i>Turdus rufiventris</i>	Rufous-bellied Thrush	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.5	0.2

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Tyrannus albogularis</i>	White-throated Kingbird	1	0.5	0.5	0.2	0	0	0.5	0.2	0
B	<i>Tyrannus melancholicus</i>	Tropical Kingbird	1	0.2	0.2	0.2	0	0	0.5	0.2	0
B	<i>Tyrannus savana</i>	Fork-tailed Flycatcher	1	0.5	0.5	0.2	0	0	0.5	0	0
B	<i>Tyto alba</i>	Barn Owl	0.5	0.2	0.2	0.2	0.2	0	0.5	0.5	0
B	<i>Uropelia campestris</i>	Long-tailed Ground-dove	0.5	0	0	0.5	0	0	0.5	0	0
B	<i>Vanellus cayanus</i>	Pied Lapwing	0	0	0	1	0	0	0	0	0
B	<i>Vanellus chilensis</i>	Southern Lapwing	0	0	0	1	0	0	0.5	0	0
B	<i>Veniliornis mixtus</i>	Checkered Woodpecker	1	0.5	0.5	0	0	0	0	0	0
B	<i>Veniliornis passerinus</i>	Little Woodpecker	0.5	1	1	0.2	0	0	0.2	0	0
B	<i>Veniliornis spilogaster</i>	White-spotted Woodpecker	0.5	1	1	0	0	0	0	0	0
B	<i>Vireo olivaceus</i>	Red-eyed Vireo	0.2	1	1	0	0	0	0.2	0.2	0
B	<i>Volatinia jacarina</i>	Blue-black Grassquit	0.5	0	0	0.5	0.5	0.2	0.5	0	0
B	<i>Xenops rutilans</i>	Streaked Xenops	0.2	1	1	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
B	<i>Xiphocolaptes albicollis</i>	White-throated Woodcreeper	0.2	1	1	0	0	0	0	0	0
B	<i>Xiphorhynchus fuscus</i>	Lesser Woodcreeper	0.2	1	1	0	0	0	0	0	0
B	<i>Xolmis cinereus</i>	Grey Monjita	1	0	0	0	0	0	0.5	0	0
B	<i>Zenaida auriculata</i>	Eared Dove	0.5	0	0	0	0.5	0.5	0.5	0	0.5
B	<i>Zonotrichia capensis</i>	Rufous-collared Sparrow	0.5	0	0	0	0.5	0	0.5	0	0.5
M	<i>Alouatta caraya</i>	Black-and-gold Howler Monkey, Black Howler Monkey, Black Howling Monkey	0.5	1	1	0	0	0	0	0	0
M	<i>Anoura caudifer</i>	Tailed Tailless Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Anoura geoffroyi</i>	Geoffroy's Tailless Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Artibeus glaucus</i>	Silver Fruit-eating Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.5	0.5
M	<i>Artibeus jamaicensis</i>	Jamaican Fruit-eating Bat	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.2	0.5
M	<i>Artibeus lituratus</i>	Great Fruit-eating Bat	1	1	1	0.2	0.5	0.5	0.2	0.5	0.5
M	<i>Artibeus obscurus</i>	Dark Fruit-eating Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.2	0.5

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Blastocerus dichotomus</i>	Marsh Deer	0.5	0	0	1	0	0	0	0	0
M	<i>Bradypus variegatus</i>	Bolivian Three-toed Sloth, Brown-throated Sloth, Brown-throated Three-toed Sloth	0	1	1	0	0	0	0	0.5	0
M	<i>Cabassous tatouay</i>	Greater Naked-tailed Armadillo	0.5	1	1	0.2	0.5	0.5	0	0	0
M	<i>Cabassous unicinctus</i>	Cabasu, Southern Naked-tailed Armadillo	0.5	1	1	0.2	0	0	0	0	0
M	<i>Callicebus nigrifrons</i>	Black-fronted Titi Monkey	0	1	1	0	0	0	0	0.2	0
M	<i>Callithrix penicillata</i>	Black-pencilled Marmoset, Black-tufted-ear Marmoset	0.5	1	1	0	0	0	0	0.2	0
M	<i>Calomys tener</i>	Delicate Vesper Mouse	1	0.2	0	0	0.5	0.5	0.5	0	0.5
M	<i>Caluromys lanatus</i>	Brown-eared Woolly Opossum, Western Woolly Opossum, Woolly Opossum	0	1	1	0	0	0	0	0.2	0
M	<i>Caluromys philander</i>	Bare-tailed Woolly Opossum	0	1	1	0	0	0	0	0.2	0
M	<i>Carollia perspicillata</i>	Seba's Short-tailed Bat	0.5	0.5	0.5	0.2	0.5	0.2	0.2	0.2	0.2

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Cavia aperea</i>	Brazilian Guinea Pig	1	0	0	0.5	0	0	0	0	0
M	<i>Cerdocyon thous</i>	Crab-eating Fox, Common Fox, Common Zorro, Crab-eating Zorro, Forest Fox, Savannah Fox	1	1	1	0.5	0.5	0.5	0.5	0.5	0
M	<i>Cerradomys subflavus</i>	Terraced Rice Rat	0	1	1	0	0.5	0.5	0.5	0	0
M	<i>Chiroderma doriae</i>	Brazilian Big-eyed Bat	0.5	1	1	0.5	0.5	0.5	0.5	0.5	0.5
M	<i>Chiroderma trinitatum</i>	Little Big-eyed Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Chiroderma villosum</i>	Hairy Big-eyed Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Chironectes minimus</i>	Water Opossum, Yapok	0	0.2	1	0	0	0	0	0	0
M	<i>Chrotopterus auritus</i>	Big-eared Woolly Bat, Woolly False Vampire Bat	0	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Chrysocyon brachyurus</i>	Maned Wolf	1	0.5	0.5	1	0.5	0.5	0.5	0.2	0
M	<i>Clyomys laticeps</i>	Broad-headed Spiny Rat	1	0.5	0.5	0	0	0	0	0.2	0
M	<i>Coendou prehensilis</i>	Brazilian Porcupine	0.5	1	1	0	0	0	0	0.2	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Cuniculus paca</i>	Spotted Paca	0.2	1	1	0	0	0	0	0	0
M	<i>Cynomops abrasus</i>	Cinnamon Dog-faced Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Cynomops planirostris</i>	Southern Dog-faced Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Dasyprocta leporina</i>	Red-rumped Agouti, Brazilian Agouti	0.2	1	1	0	0	0	0	0	0
M	<i>Dasybus novemcinctus</i>	Common Long-nosed Armadillo, Nine-banded Armadillo	1	1	1	0.5	0.5	0.5	0.5	0.5	0.5
M	<i>Dasybus septemcinctus</i>	Brazilian Lesser Long-nosed Armadillo, Seven-banded Armadillo	1	1	1	0.5	0.5	0.5	0.5	0	0
M	<i>Desmodus rotundus</i>	Common Vampire Bat, Vampire Bat	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.2	0.5
M	<i>Diaemus youngi</i>	White-winged Vampire Bat	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.2	0.5
M	<i>Diclidurus albus</i>	Northern Ghost Bat	0.2	1	1	0.2	0.5	0.2	0.5	0.2	0.5
M	<i>Didelphis albiventris</i>	White-eared Opossum	1	1	1	0.5	0.5	0.5	0.5	0.5	0.5

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Diphylla ecaudata</i>	Hairy-legged Vampire Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Eira barbara</i>	Tayra, Greyheaded Tayra	0.5	1	1	0	0	0	0	0.2	0
M	<i>Eptesicus brasiliensis</i>	Brazilian Brown Bat	0.2	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Eptesicus furinalis</i>	Argentine Brown Bat, Argentinian Brown Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Eumops auripendulus</i>	Black Bonneted Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Eumops glaucinus</i>	Wagner's Bonneted Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Eumops perotis</i>	Greater Bonneted Bat, Western Bonneted Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Euphractus sexcinctus</i>	Six-banded Armadillo, Yellow Armadillo	1	0.5	0.5	0.5	0.5	0.5	0.5	0	0
M	<i>Euryoryzomys lamia</i>	Monster Rice Rat	0.2	1	1	0	0	0	0	0	0
M	<i>Furipterus horrens</i>	Thumbless Bat	0.5	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Galea spixii</i>	Spix's Yellow-toothed Cavy	1	0	0	0.2	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Galictis vittata</i>	Greater Grison	1	1	1	0.5	0.5	0.5	0.2	0.5	0
M	<i>Glossophaga soricina</i>	Pallas's Long-tongued Bat	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5
M	<i>Gracilinanus agilis</i>	Agile Gracile Mouse Opossum, Agile Gracile Opossum, Agile Mouse Opossum	0.5	1	1	0	0	0	0	0.2	0
M	<i>Histiotus velatus</i>	Tropical Big-eared Brown Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Hydrochoerus hydrochaeris</i>	Capybara	0.5	0.5	0.5	1	0	0	0	0	0
M	<i>Hylaeamys megacephalus</i>	Large-headed Rice Rat	0.2	1	1	0	0	0	0	0	0
M	<i>Lasiurus blossevillii</i>	Red Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Lasiurus cinereus</i>	Hawaiian Hoary Bat, Hoary Bat	0.5	0.5	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Lasiurus ega</i>	Southern Yellow Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.5	0.5
M	<i>Leopardus colocolo</i>	Pampas Cat, Chilean Pampa Cat	1	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0
M	<i>Leopardus pardalis</i>	Ocelot	0.5	1	1	0.2	0	0.2	0	0	0
M	<i>Leopardus tigrinus</i>	Central American Oncilla, Central	0.5	1	1	0	0	0	0	0.2	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
		American Little Spotted Cat									
M	<i>Leopardus wiedii</i>	Margay, Tree Ocelot	0.5	1	1	0	0	0	0	0	0
M	<i>Lonchorhina aurita</i>	Common Sword-nosed Bat, Tomes's Sword-nosed Bat	0.5	1	1	0.2	0.5	0.5	0.2	0.2	0.2
M	<i>Lontra longicaudis</i>	Neotropical Otter, La Plata Otter, Long-tailed Otter, Neotropical River Otter, South American River Otter	0	0	1	0.2	0	0	0	0	0
M	<i>Lophostoma silvicolium</i>	White-throated Round-eared Bat	0.5	1	1	0.2	0.5	0.2	0.2	0.2	0.2
M	<i>Macrophyllum macrophyllum</i>	Long-legged Bat	0.2	0.2	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Mazama americana</i>	Red Brocket	0.2	1	1	0	0	0	0	0	0
M	<i>Mazama gouazoubira</i>	Gray Brocket, Brown Brocket	1	1	1	0.2	0.5	0.5	0.5	0.5	0
M	<i>Micoureus constantiae</i>	Bay-colored Mouse Opossum, Pale-bellied Woolly Mouse Opossum, White-bellied Woolly Mouse Opossum	0	1	1	0	0	0	0	0.2	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Micronycteris megalotis</i>	Little Big-eared Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.5	0.2	0.5
M	<i>Micronycteris minuta</i>	Tiny Big-eared Bat, White-bellied Big-eared Bat	0.5	0.5	0.5	0.2	0.5	0.5	0.2	0.2	0.2
M	<i>Mimon bennettii</i>	Golden Bat, Southern Golden Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Molossops neglectus</i>	Rufous Dog-faced Bat	0.2	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Molossops temminckii</i>	Dwarf Dog-faced Bat	0.5	1	1	0.5	0.5	0.5	0.5	0.5	0.5
M	<i>Molossus molossus</i>	Pallas's Mastiff Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Molossus rufus</i>	Black Mastiff Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Monodelphis domestica</i>	Gray Short-tailed Opossum, Grey Short-tailed Opossum	1	0.5	0.5	0.2	0.2	0.2	0.2	0	0
M	<i>Myotis albescens</i>	Silver-tipped Myotis	0.5	1	1	0.5	0.2	0.2	0.2	0.2	0.2
M	<i>Myotis nigricans</i>	Black Myotis	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.2	0.5
M	<i>Myotis riparius</i>	Riparian Myotis	0.2	1	1	0.2	0.2	0.5	0.2	0.2	0.2
M	<i>Myotis ruber</i>	Red Myotis	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.2

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Myrmecophaga tridactyla</i>	Giant Anteater	1	0.5	0.5	0	0	0	0	0	0
M	<i>Nasua nasua</i>	South American Coati	0.5	1	1	0	0	0	0	0.2	0
M	<i>Necomys lasiurus</i>	Hairy-tailed Bolo Mouse	1	0.5	0	0.5	0.5	0.5	0.5	0	0
M	<i>Nectomys squamipes</i>	South American Water Rat	0	0	1	0.2	0	0	0	0	0
M	<i>Noctilio albiventris</i>	Lesser Bulldog Bat	0.5	1	1	0	0.5	0.5	0.5	0.5	0.5
M	<i>Noctilio leporinus</i>	Greater Bulldog Bat	1	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5
M	<i>Nyctinomops aurispinosus</i>	Peale's Free-tailed Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Nyctinomops laticaudatus</i>	Broad-eared Bat, Broad-eared Free-tailed Bat	0.2	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Nyctinomops macrotis</i>	Big Free-tailed Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Oecomys bicolor</i>	Bicolored Arboreal Rice Rat	0	1	1	0	0	0	0	0	0
M	<i>Oligoryzomys nigripes</i>	Black-footed Pygmy Rice Rat, Delta Pygmy Rice Rat	1	1	1	0.5	0.2	0.2	0.2	0.2	0
M	<i>Oxymycterus roberti</i>	Robert's Hociudo	0	0	0	1	0	0	0.2	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Ozotoceros bezoarticus</i>	Pampas Deer	1	0	0	1	0.5	0.5	0.5	0	0
M	<i>Panthera onca</i>	Jaguar	0.5	1	1	0.5	0	0	0	0.2	0
M	<i>Pecari tajacu</i>	Collared Peccary	0.5	1	1	0.5	0.5	0.5	0.5	0.5	0
M	<i>Peropteryx kappleri</i>	Greater Dog-like Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Peropteryx macrotis</i>	Lesser Dog-like Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Philander opossum</i>	Gray Four-eyed Opossum, Guaiki	0.2	0.5	1	0	0	0	0	0	0.2
M	<i>Phyllostomus discolor</i>	Pale Spear-nosed Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.5	0.5
M	<i>Phyllostomus elongatus</i>	Lesser Spear-nosed Bat	0.2	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Phyllostomus hastatus</i>	Greater Spear-nosed Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.5	0.5
M	<i>Platyrrhinus helleri</i>	Heller's Broad-nosed Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Platyrrhinus lineatus</i>	White-lined Bat, White-lined Broad-nosed Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Priodontes maximus</i>	Giant Armadillo	1	1	1	0.5	0	0	0	0	0
M	<i>Procyon cancrivorus</i>	Crab-eating Raccoon	0	1	1	0.5	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Proechimys longicaudatus</i>	Long-tailed Spiny Rat	0	0.5	1	0	0	0	0	0	0
M	<i>Promops nasutus</i>	Brown Mastiff Bat	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Pseudalopex vetulus</i>	Hoary Fox, Hoary Zorro, Small-toothed Dog	1	0.2	0.2	0.2	0.5	0.5	0.5	0.2	0
M	<i>Pseudoryzomys simplex</i>	Brazilian False Rice Rat	0.2	0	0	0.5	0	0	0	0	0
M	<i>Pteronura brasiliensis</i>	Giant Otter, Giant Brazilian Otter	0	0	1	0	0	0	0	0	0
M	<i>Puma concolor</i>	Puma, Cougar, Deer Tiger, Mountain Lion, Red Tiger	1	1	1	0.5	0	0.2	0	0.2	0
M	<i>Puma yagouaroundi</i>	Jaguarundi, Eyra Cat	0.5	1	1	0.5	0	0	0	0.2	0
M	<i>Pygoderma bilabiatum</i>	Ipanema Bat, Ipanema Broad-nosed Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Rhipidomys macrurus</i>	Cerrado Climbing Mouse	0.2	1	1	0	0	0	0	0	0
M	<i>Rhynchonycteris naso</i>	Proboscis Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Saccopteryx leptura</i>	Lesser Sac-winged Bat	0.2	1	1	0.2	0.2	0.5	0.5	0.5	0.2

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Sapajus libidinosus</i>	Bearded Capuchin	0.5	1	1	0	0	0	0	0.2	0
M	<i>Sciurus aestuans</i>	Guianan Squirrel	0	1	1	0	0	0	0	0	0.5
M	<i>Speothos venaticus</i>	Bush Dog, Savannah Dog, Vinegar Dog	1	1	1	0	0	0	0.5	0	0
M	<i>Sturnira lilium</i>	Little Yellow-shouldered Bat	0.5	1	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Sturnira tildae</i>	Tilda Yellow-shouldered Bat	0.2	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2
M	<i>Sylvilagus brasiliensis</i>	Tapeti, Forest Rabbit	0.2	1	1	0	0	0	0.5	0	0
M	<i>Tamandua tetradactyla</i>	Collared Anteater, Lesser Anteater, Northern Tamandua, Southern Tamandua, Tamandua	0.5	1	1	0	0	0	0	0.2	0
M	<i>Tapirus terrestris</i>	Lowland Tapir, Brazilian Tapir, South American Tapir	0.5	1	1	0.5	0	0	0	0	0
M	<i>Tayassu pecari</i>	White-lipped Peccary	0.5	1	1	0.5	0.2	0.2	0	0	0
M	<i>Thalpomys cerradensis</i>	Cerrado Mouse	1	0	0	0	0	0	0	0	0
M	<i>Thrichomys apereoides</i>	Punare	1	0.5	0.5	0	0	0	0	0	0

Taxa	Scientific Name	Common Name	Land Use / Land Cover Category								
			Cerrado	Cerradao	Forest	Wetlands	Crops	Sugar Cane	Pasture	Plantation	Developed
M	<i>Thylamys velutinus</i>	Dwarf Fat-tailed Mouse Opossum, Velvety Fat-tailed Opossum	1	0	0	0	0	0	0	0	0
M	<i>Tonatia bidens</i>	Greater Round-eared Bat	0.2	1	1	0.2	0.2	0.2	0.2	0.2	0.5
M	<i>Trachops cirrhosus</i>	Fringe-lipped Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.2	0.5
M	<i>Uroderma bilobatum</i>	Tent-making Bat	0.5	1	1	0.2	0.5	0.5	0.5	0.5	0.5

Figures

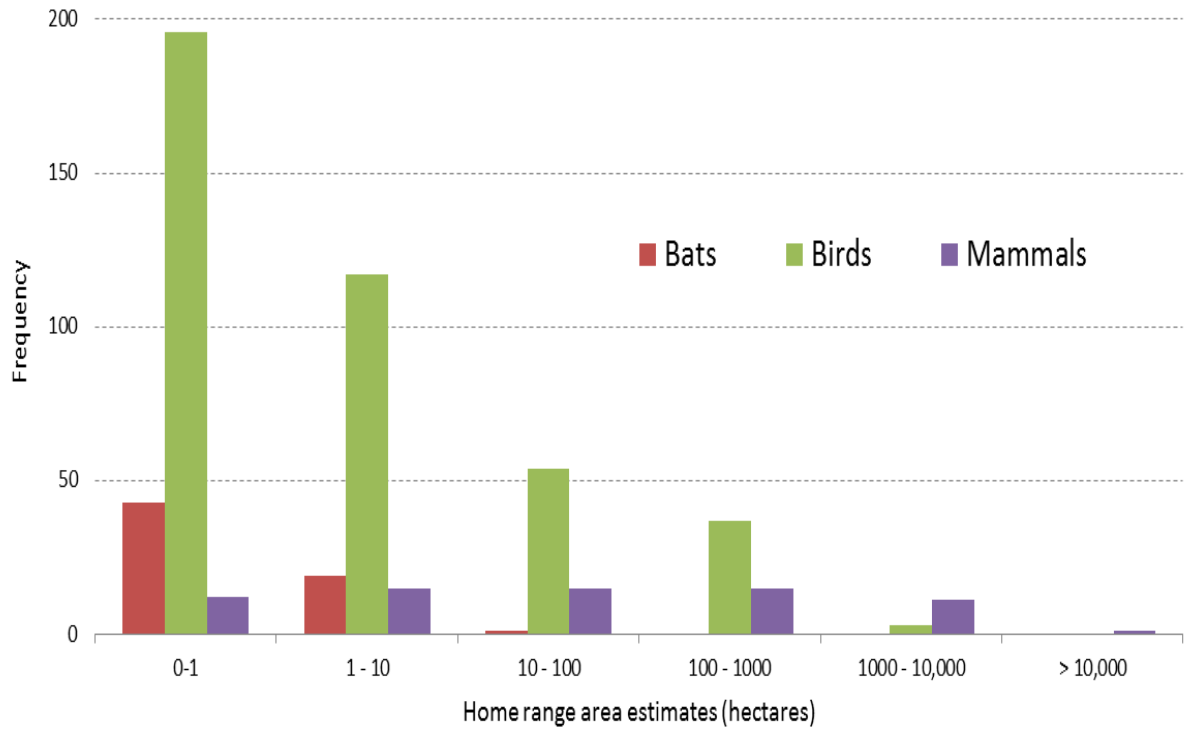


Figure 1. Distribution of home range area (ha) estimates for bats, birds, and mammals.

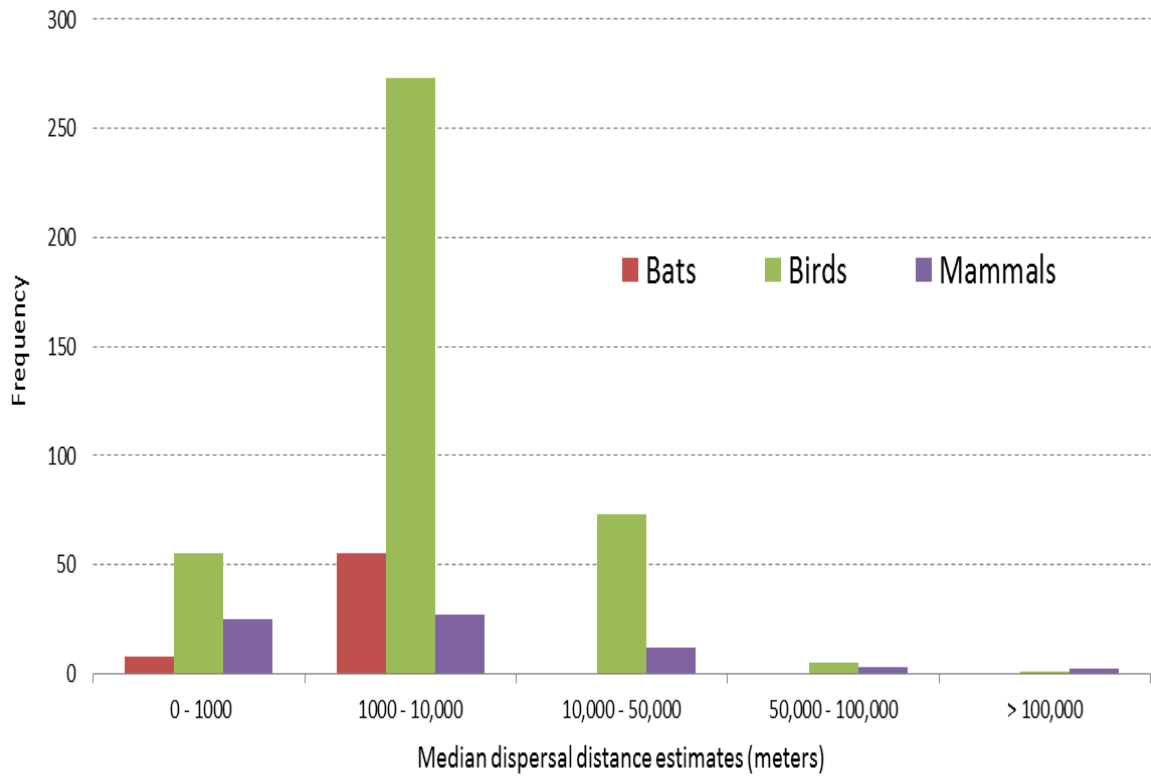


Figure 2. Distribution of median dispersal distance (meters) estimates for bats, birds, and mammals.