SUPPORTING INFORMATION

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Biogeography, vicariance and conservation of snakes of the neglected and endangered Caatinga region, north-eastern Brazil

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Appendix S2 List of species of snakes recorded from the Caatinga region, with data on range size, habitat loss, and protected area coverage provided for species that formed biotic elements. Nat. veg., remaining natural vegetation; % rem., percentage remaining; % loss, percentage habitat loss; geo. dist., geographical distribution; UCPI, area protected by UCPI; % prot., percentage in protected areas.

Species	Endemic	Biotic element	Area (km^2)	Nat. veg. (km^2)	Habitat loss (km^2)	% rem.	% loss	Expected loss	Geo. dist. (km^2)	UCPI (km^2)	% prot.
Anilius scytale	No	Noise									
Liotyphlops cf. *ternetzii*	No	Noise									
Epictia borapeliotes	Yes	Noise									
Epictia sp.	No	Noise									
Trilepida brasiliensis	No	Noise									
Trilepida koppesi	No	BE1	864.0	386.6	477.4	44.7	55.3	444.1	303.4	1520.0	100.0
Typhlops amoipira	Yes	BE2	2592.0	2050.8	541.2	79.1	20.9	668.7	607.4	0.0	0.0
Typhlops brongersmianus	No	BE8	2880.0	998.8	1881.2	34.7	65.3	1681.9	1251.2	101.4	8.1
Typhlops reticulatus	No	Noise									
Typhlops yonenagae	Yes	BE2	1008.0	553.3	454.7	54.9	45.1	260.1	305.6	0.0	0.0
Boa constrictor	No	Noise									
Corallus hortulanus	No	Noise									
Epicrates assisi	Yes	Noise									
Epicrates crassus	No	BE6	576.0	535.3	40.7	92.9	7.1	254.0	302.1	0.0	0.0
Eunectes murinus	No	BE3	864.0	134.5	729.5	15.6	84.4	487.3	315.9	0.0	0.0
Bothrops erythromelas	Yes	Noise									
Bothrops jararaca	No	BE1	13,104.0	5511.3	7592.7	42.1	57.9	6735.5	7021.1	1520.0	21.6

Species	Endemic	Biotic element	Area (km^2)	Nat. veg. (km^2)	Habitat loss (km^2)	% rem.	% loss	Expected loss	Geo. dist. (km^2)	UCPI (km^2)	% prot.
Bothrops leucurus	No	Noise									
Bothrops lutzi	No	Noise									
Bothrops moojeni	No	BE4	57,312.0	30,382.1	26,929.9	53.0	47.0	28,254.8	38,230.1	0.0	0.0
Bothrops neuwiedi	No	Noise									
Bothrops aff. a*trox*	No	Noise									
Crotalus durissus	No	Noise									
Lachesis muta	No	Noise									
Micrurus aff. *lemniscatus*	No	Noise									
Micrurus brasiliensis	No	BE4	1728.0	1018.1	709.9	58.9	41.1	851.9	605.7	0.0	0.0
Micrurus frontalis	No	Noise									
Micrurus sp.	Yes	BE5	1,285,488.0	585,226.0	700,262.0	45.5	54.5	689,021.6	1,089,397.0	16,816.8	1.5
Chironius bicarinatus	No	Noise									
Chironius carinatus	No	Noise									
Chironius exoletus	No	Noise									
Chironius flavolineatus	No	Noise									
Chironius quadricarinatus	No	BE1	864.0	523.4	340.6	60.6	39.4	444.1	303.5	1520.0	100.0
Dendrophidion atlantica	No	Noise									
Drymarchon corais	No	Noise									
Drymoluber brazili	No	BE2	220,464.0	123,370.3	97,093.7	56.0	44.0	56,879.7	167,121.3	485.1	
Drymoluber dichrous	No	Noise									
Leptophis ahaetulla	No	Noise									
Mastigodryas bifossatus	No	Noise									
Mastigodryas boddaerti	No	Noise									
Oxybelis aeneus	No	BE8	1,158,048.0	561,865.0	596,183.0	48.5	51.5	676,300.0	939,583.1	18,809.0	2.0
Pseustes sulphureus	No	BE3	2016.0	718.9	1297.1	35.7	64.3	1137.0	631.7	0.0	0.0
Simophis rhinostoma	No	BE1	864.0	523.4	340.6	60.6	39.4	444.1	303.5	1520.0	100.0
Spilotes pullatus	No	Noise									
Tantilla marcovani	Yes	BE4	1296.0	777.8	518.2	60.0	40.0	638.9	310.7	8.5	2.7
Tantilla melanocephala	No	Noise									
Apostolepis ammodites	No	BE7	1296.0	798.7	497.3	61.6	38.4	513.2	305.7	0.0	0.0

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Apostolepis arenaria	Yes	Noise									
Apostolepis assimilis	No	Noise									
Apostolepis cearensis	Yes	Noise									
Apostolepis gaboi	Yes	BE2	2160.0	2128.1	31.9	98.5	1.5	557.3	612.4	0.0	
Apostolepis aff. *pymi*	Yes	BE3	21,312.0	13460.19	7851.8	63.2	36.8	12,020.0	14,517.3	62.7	
Apostolepis sp.	No	Noise									
Atractus aff. *maculatus*	No	BE7	2016.0	850.3	1165.7	42.2	57.8	798.3	611.8	0.0	0.0
Atractus caete	No	Noise									
Atractus potschi	No	Noise									
Atractus ronnie	Yes	Noise									
Boiruna sertaneja	Yes	Noise									
Clelia plumbea	No	BE5	2160.0	947.8	1212.2	43.9	56.1	1157.8	605.5	0.0	0.0
Dipsas sazimai	No	Noise									
Dipsas variegata	No	Noise									
Erythrolamprus almadensis	No	BE6	2736.0	721.6	2014.4	26.4	73.6	1206.6	1249.9	0.0	0.0
Erythrolamprus maryellenae	No	BE1	864.0	386.6	477.4	44.7	55.3	444.1	303.4	1520.0	100.0
Erythrolamprus miliaris	No	Noise									
Erythrolamprus mossoroensis	Yes	Noise									
Erythrolamprus poecilogyrus	No	BE5	1,208,736.0	579,954.0	628,782.0	48.0	52.0	647,882.5	976,221.3	15,544.6	1.6
Erythrolamprus reginae	No	BE3	321,552.0	147,317.2	174,234.8	45.8	54.2	181,355.3	255,479.7	1520.4	0.6
Erythrolamprus taeniogaster	No	Noise									
Erythrolamprus viridis	Yes	Noise									
Helicops aff. *infrataeniatus*	No	Noise									
Helicops angulatus	No	Noise									
Helicops leopardinus	No	Noise									
Helicops modestus	No	Noise									

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Hydrops triangularis	No	BE7	1008.0	778.7	229.3	77.3	22.7	399.2	313.8	0.0	0.0
Imantodes cenchoa	No	Noise									
Leptodeira annulata	No	Noise									
Lioheterophis iheringi	Yes	Noise									
Lygophis dilepis	No	Noise									
Lygophis paucidens	No	Noise									
Oxyrhopus guibei	No	BE1	2160.0	1140.7	1019.3	52.8	47.2	1110.2	606.4	1520.0	100.0
Oxyrhopus petolarius	No	Noise									
Oxyrhopus rhombifer	No	BE1	1728.0	734.1	993.9	42.5	57.5	888.2	611.1	1520.0	100.0
Oxyrhopus sp.	Yes	BE3	5904.0	3561.3	2342.7	60.3	39.7	3329.9	1895.8	62.7	3.3
Oxyrhopus trigeminus	No	BE6	1,217,952.0	587,914.9	630,037.1	48.3	51.7	537,116.8	988,073.5	37,676.8	
Philodryas aestiva	No	BE1	1296.0	697.2	598.8	53.8	46.2	666.1	551.7	1520.0	100.0
Philodryas agassizii	No	Noise									
Philodryas nattereri	No	Noise									
Philodryas olfersii	No	Noise									
Philodryas patagoniensis	No	Noise									
Phimophis guerini	No	Noise									
Pseudoboa nigra	No	Noise									
Psomophis joberti	No	Noise									
Rodriguesophis chui	Yes	BE2	2304.0	1478.4	825.6	64.2	35.8	594.4	611.2	0.0	0.0
Rodriguesophis iglesiasi	No	BE2	77,616.0	53,018.3	24,597.7	68.3	31.7	20,024.9	55,878.8	1164.5	2.1
Rodriguesophis scriptocirbatus	Yes	BE2	2160.0	2128.1	31.9	98.5	1.5	557.3	733.1	0.0	0.0
Sibon nebulata	No	Noise									
Sibynomorphus mikanii	No	Noise									
Sibynomorphus neuwiedii	No	BE1	3744.0	1508.6	2235.4	40.3	59.7	1924.4	1223.3	1520.0	100.0
Siphlophis compressus	No	Noise									
Siphlophis leucocephalus	No	BE1	1008.0	400.0	608.0	39.7	60.3	518.1	303.3	1520.0	100.0
Taeniophallus affinis	No	BE3	3168.0	1303.3	1864.7	41.1	58.9	1786.8	935.7	62.7	6.7
Taeniophallus occipitalis	No	Noise									

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Thamnodynastes almae	Yes	Noise									
Thamnodynastes cf. *nattereri*	No	Noise									
Thamnodynastes hypoconia	No	Noise									
Thamnodynastes pallidus	No	Noise									
Thamnodynastes sertanejo	Yes	Noise									
Thamnodynastes sp.	Yes	Noise									
Tropidodryas striaticeps	No	BE4	5328.0	1634.4	3693.6	30.7	69.3	2626.7	1513.8	0.0	0.0
Xenodon merremii	No	BE5	1,211,184.0	583,854.4	627,329.6	48.2	51.8	649,194.6	978,905.1	37,676.8	3.8
Xenodon nattereri	No	BE1	1296.0	687.6	608.4	53.1	46.9	666.1	303.0	1520.0	100.0
Xenopholis undulatus	No	Noise									