



Atractus albuquerquei Cunha & Nascimento, 1983 (Serpentes, Dipsadidae): first record for the state of Minas Gerais, southeastern Brazil

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Abstract: We present the first record of *Atractus albuquerquei* for the state of Minas Gerais, southeastern Brazil. This record extends the distribution of the species 500 km east of Emas National Park and 570 km south of Chapada dos Veadeiros National Park, both in the state of Goiás.

Key words: reptile; Squamata; snake; Cerrado

The genus *Atractus* comprises a semi-fossorial snake group with more than 130 species and wide geographic distribution in America, from the eastern region of the Isthmus of Panama to northern Argentina (WALLACH et al. 2014). Currently there are 36 species of this genus known to Brazil (COSTA & BÉRNILS 2015), 21 of which occur in the Amazon Rainforest and only five in the Cerrado biome (WALLACH et al. 2014). *Atractus albuquerquei* occurs in both biomes

and is distributed mostly within the Amazon Rainforest, with punctual records in the Cerrado. The species occurrence is currently known for the Brazilian states of Acre, Amazonas, Goiás, Mato Grosso, Mato Grosso do Sul, Pará and Rondônia (ZAHER et al. 2005; SILVA JR. et al. 2009; SILVA et al. 2010; SOUZA et al. 2011; MASCHIO et al. 2012; TAVARES et al. 2012). Here we provide the first record of this species for the state of Minas Gerais and an update of its distribution map.

During field work in 19 November 2015, at Nova Monte Carmelo Farm, municipality of Estrela do Sul, state of Minas Gerais (18°44'48" S, 047°52'09" W, altitude 943 m), one male individual of *A. albuquerquei* was captured in a pitfall trap. This study was done under research permit SISBIO-46085-2. The specimen (Figures 1, 2) was collected, fixed in 10% formalin, had its hemipenis inverted and then



Figure 1. Male of *Atractus albuquerquei* collected in Nova Monte Carmelo Farm, Estrela do Sul, state of Minas Gerais, Brazil.



Figure 2. Head detail of *Atractus albuquerquei* collected in Nova Monte Carmelo Farm, Estrela do Sul, state of Minas Gerais, Brazil.

was stored in 70% alcohol. The snake was deposited in the Museum of Zoology of the University of São Paulo, Brazil (MZUSP 22810). The confirmation of the specimen was made by Paulo Roberto Machado Filho and Daniela Genari. Three other individuals were recorded in pitfalls traps in the same farm.

Atractus albuquerquei is characterized by 15 rows of dorsal scales and 170–200 ventral plates; six supralabials (second and third contacting loreals and third and fourth in contact with the eye orbit; nasal plate in contact with first and second supralabials and split above and below the naris; dorsum uniform brown and venter uniform cream colored (ZAHER et al. 2005).

After its redescription (ZAHER et al. 2005), *A. albuquerquei* was confirmed to the municipalities of Aporé, state of Goiás (VAZ-SILVA et al. 2007), Ourilândia do Norte, state of Pará (PASSOS & FERNANDES 2008), Cacoal, state of Rondônia (TURCI & BERNARDE 2008), Serra da Mesa Reservoir, state of Goiás (MOREIRA et al. 2009), Sonora, state of Mato Grosso do Sul (SILVA JR. et al. 2009), Bujari, state of Acre (SILVA et al. 2010), Nova Aripuanã, state of Amazonas (SOUZA et al. 2011), Parauapebas, state of Pará (MASCHIO et al. 2012), Lucas do Rio Verde, state of Mato Grosso (TAVARES et al. 2012), Chapada dos Veadeiros, state of Goiás (FRANÇA & BRAZ 2013) and Vitória do Xingú, state of Pará (VAZ-SILVA et al. 2015). Records obtained in the database speciesLink (CRIA 2017) were also inserted, totaling 34 localities where the species was found (Table 1). Our record, is the first for the state of Minas Gerais expanding the knowledge of the species distribution to about 500 km southeast (Figure 4). The nearest records are in Emas National Park (Mineiros municipality, 530 km) and Chapada dos Veadeiros National Park (Alto Paraíso de Goiás municipality, 570 km), both in the state of Goiás (VALDUJO et al. 2009; FRANÇA & BRAZ 2013). These records are open Cerrado areas varying from forested savanna (“cerradão”)

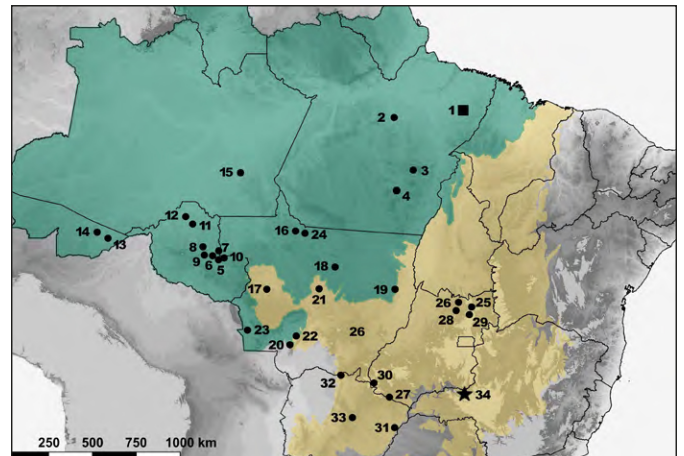


Figure 4. Map showing the distribution of *Atractus albuquerquei* in Brazil. Green mosaic = Amazon biome; yellow mosaic = Cerrado biome; ■ = type locality; ● = records from literature (see Table 1); ★ = new record from Minas Gerais state.



Figure 3. Collection site of *Atractus albuquerquei* in Nova Monte Carmelo Farm, Estrela do Sul, state of Minas Gerais, Brazil.

Table 1. List of previous records of *Atractus albuquerquei*. Collections: CEPB - Centro de Estudos e Pesquisas Biológicas da Universidade Católica de Goiás; CHUFC - Coleção Herpetológica da Universidade Federal do Ceará; CHUNB - Coleção Herpetológica da Universidade de Brasília; FUNED-SERP - Serpentário da Fundação Ezequiel Dias; IB - Coleção do Instituto Butantan; MPEG - Museu Paraense Emílio Goeldi; MNRJ - Museu Nacional do Rio de Janeiro; MZUSP - Museu de Zoologia da Universidade de São Paulo; UFAC - Coleção Herpetológica da Universidade Federal do Acre; UFMT-R - Coleção da Universidade Estadual de Mato Grosso – Setor Herpetologia – Répteis, ZUEC-REP - Coleção de Répteis do Museu de Zoologia da Universidade Estadual de Campinas. speciesLink (<http://splink.org.br>).

No.	State	Locality	Lat. (S)	Long. (W)	Reference	Voucher
1	Pará	Vila Nova, Tomé-Açú	2°41'	47°55'	CUNHA & NASCIMENTO 1983	MPEG 12946, holotype
2	Pará	Vitória do Xingu, Belo Monte Reservoir	3°20'	51°50'	VAZ-SILVA et al. 2015	
3	Pará	Parauapebas, FLONA Carajás	6°05'	50°42'	MASCHIO et al. 2012; speciesLink	FUNED-SERP 3301
4	Pará	Ourlândia do Norte	7°38'	51°30'	PASSOS & FERNANDES 2008	MPEG 20792
5	Rondônia	Nova Brasília	11°09'	61°34'	ZAHER et al. 2005	MZUSP 8733, 8734
6	Rondônia	Ji-Paraná	10°53'	61°57'	ZAHER et al. 2005	MPEG 16870
7	Rondônia	Nova Colina	10°47'	61°41'	ZAHER et al. 2005	MZUSP 8509
8	Rondônia	Jarú	10°26'	62°28'	ZAHER et al. 2005	MZUSP 8679
9	Rondônia	Ouro Preto do Oeste	10°47'	62°14'	ZAHER et al. 2005	MPEG 17170
10	Rondônia	Cacoal	11°28'	61°19'	TURCI & BERNARDE 2008	
11	Rondônia	Santa Bárbara	9°10'	63°04'	ZAHER et al. 2005	MZUSP 8678, 8777, 8778
12	Rondônia	Porto Velho, Samuel Reservoir	8°45'	63°28'	MARÇAL et al. 2011; ZAHER et al. 2005; PASSOS & FERNANDES 2008; SILVA JR. 1993	CEPB 1024, 1025, 1673, 1674, 1675, 1676, 3063, 3289, 3290, 3651/ CHUFC 1481, 1483-84/ MNRJ 3028
13	Acre	Rio Branco, Tucumã Farm	9°58'	67°48'	ZAHER et al. 2005	CHUFC 1482
14	Acre	Reserva Florestal Humaitá, Porto Acre	9°43'	67°33'	SILVA et al. 2010	UFAC 178
15	Amazonas	Novo Aripuanã	6°18'	60°20'	SOUZA et al. 2011	MPEG 24313
16	Mato Grosso	Apiacás	9°33'	57°23'	ZAHER et al. 2005; speciesLink	MZUSP 11157; UFMT-R 7087, 7072, 7530
17	Mato Grosso	Cotriguaçu, São Nicolau Farm	12°51'	58°56'	KAWASHITA-RIBEIRO et al. 2011; speciesLink	UFMT-R 326, 6496
18	Mato Grosso	Cláudia, Iracema Farm	11°35'	55°09'	ZAHER et al. 2005; speciesLink	MZUSP 11242; UFMT-R 3949
19	Mato Grosso	Cascalheira River	12°51'	51°46'	ZAHER et al. 2005	MZUSP 5393
20	Mato Grosso	Cáceres, Sepotuba River	15°55'	57°39'	ZAHER et al. 2005; speciesLink	UFMT-R 325
21	Mato Grosso	Lucas do Rio Verde	12°47'	56°00'	TAVARES et al. 2012	
22	Mato Grosso	Porto Estrela	15°19'	57°13'	speciesLink	UFMT-R 8329, 9351, 9356-58, 9367-68, 9378, 9380, 9863
23	Mato Grosso	Serra da Borda, Vila Bela da Santíssima Trindade	15°11'	59°58'	speciesLink	UFMT-R 3014
24	Mato Grosso	Parnaíta	9°35'	56°40'	speciesLink	UFMT-R 7533
25	Goiás	Cavalcante, Cana Brava Reservoir	13°48'	47°30'	ZAHER et al. 2005; MOREIRA et al. 2009	MZUSP 13365, 13366, 13367
26	Goiás	Minaçu, Cana Brava Reservoir	13°32'	48°13'	ZAHER et al. 2005	MZUSP 13024, 13368, 13369
27	Goiás	Aporé, Espora Reservoir	18°40'	51°52'	VAZ-SILVA et al. 2007; PASSOS & FERNANDES 2008	MNRJ 14370-76
28	Goiás	Serra da Mesa Reservoir	13°46'	48°20'	MOREIRA et al. 2009	
29	Goiás	Chapada dos Veadeiros National Park	14°10'	47°42'	FRANÇA & BRAZ 2013	
30	Goiás	Emas National Park	18°06'	52°55'	ZAHER et al. 2005; VALDUJO et al. 2009	CHUNB 30340, 30344, 30345; IB 58934
31	Mato Grosso do Sul	Três Lagoas	20°45'	51°40'	speciesLink	ZUEC-REP 3514
32	Mato Grosso do Sul	Sonora, Ponte de Pedra Reservoir	17°36'	54°49'	SILVA Jr. et al. 2009	MZUSP 17569, 17570, 17571
33	Mato Grosso do Sul	Canaã Farm	20°06'	54°09'	ZAHER et al. 2005	MZUSP 4586
34	Minas Gerais	Nova Monte Carmelo Farm, Estrela do Sul	18°44'	47°52'	Present record	MZUSP 22810

to hydromorphic open field (“vereda”) (Figure 3). Similar habitat has been reported in ZAHER et al. (2005), showing that the species is not only restricted to forested areas.

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