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## The Disjunct Geographical Distribution of the Yellow Armadillo, *Euphractus sexcinctus* (Xenarthra, Dasypodidae)

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The geographic distribution of the yellow armadillo (*Euphractus sexcinctus*) appears to be disjunct. According to Wetzel (1985a, 1985b) and Redford and Wetzel (1985), the species occurs in north-eastern, middle-western, southeastern and southern Brazil, as well as adjacent areas of Bolivia, Paraguay, Uruguay and Argentina. There is, however, a small isolated occurrence in the frontier region between Brazil and Suriname, north from the Rio Amazonas. Wetzel (1985a, 1985b) and Redford and Wetzel (1985) omitted these localities, although they were briefly described by Wetzel (1985b) as "The Sipaliwini savanna and its continuation as the Paru savanna in adjacent Pará". Wetzel (1985b) emphasized the need for further surveys of the geographic distribution of *E. sexcinctus* in the region of the lower Rio Amazonas.

An examination of the mammal collection of the Museu Paraense Emílio Goeldi (MPEG), the Museu Nacional, Universidade Federal do Rio de Janeiro (MNRJ) and the Museu de Zoologia of the Universidade de São Paulo (MZUSP), and the results of a faunistic inventory recently conducted in the Brazilian state of Amapá, suggest that the

disjunct area may be even larger than previously thought. The specimens collected were deposited in the MPEG.

The new localities in this region are (Fig. 1): 1. Fazenda Itapuá, AP-156 road, municipality of Amapá, 02°05'N, 50°55'W (MPEG-26264); 2. Fazenda Teimoso, AP-156 road, municipality of Ferreira Gomes, 00°59'N, 51°11'W (MPEG-26262, 26263); 3. Porto Platon, 00°42'N, 51°57'W (MNRJ-23972); 4. Fazenda Parabrillo, municipality of Itaubal, 00°46'N, 50°54'W (MPEG-26265).

The first two localities are in Amazonian savanna type vegetation, grassland with few shrubs and low trees (*campo cerrado*). Porto Platon is located in a forested area, but the specimen label does not contain information on mesohabitat. The Fazenda Parabrillo is located in the contact zone between the *campo cerrado* and the *floresta de terra firme*, and the local physiognomy is of a disturbed "cerrado *sensu stricto*" (about 20 years ago), with a high density of trees and shrubs.

The geographic distribution of *E. sexcinctus* is being systematically surveyed in eastern Amazonia. The data presented here, together with the 27 new localities in Maranhão (Silva Júnior *et al.*, 2001), significantly reduce the size of the area separating the two parts of the known geographic distribution of this species.

Further surveys are planned in eastern Pará to determine if the separation is merely an artifact of sampling. If the geographic distribution for *E. sexcinctus* is continuous, it will also be necessary to determine if the species occurs in the primary forests of the lower Rio Amazonas or if it is restricted to the natural *campos cerrados* and *campinas* of Amapá, Marajó Archipelago and eastern Pará, and areas of degraded forest.

### Specimens examined

Specimens examined in the MPEG, MNRJ, and MZUSP for comparison: *Euphractus sexcinctus*. **Brazil: Amapá:** Fazenda Itapuá, Amapá

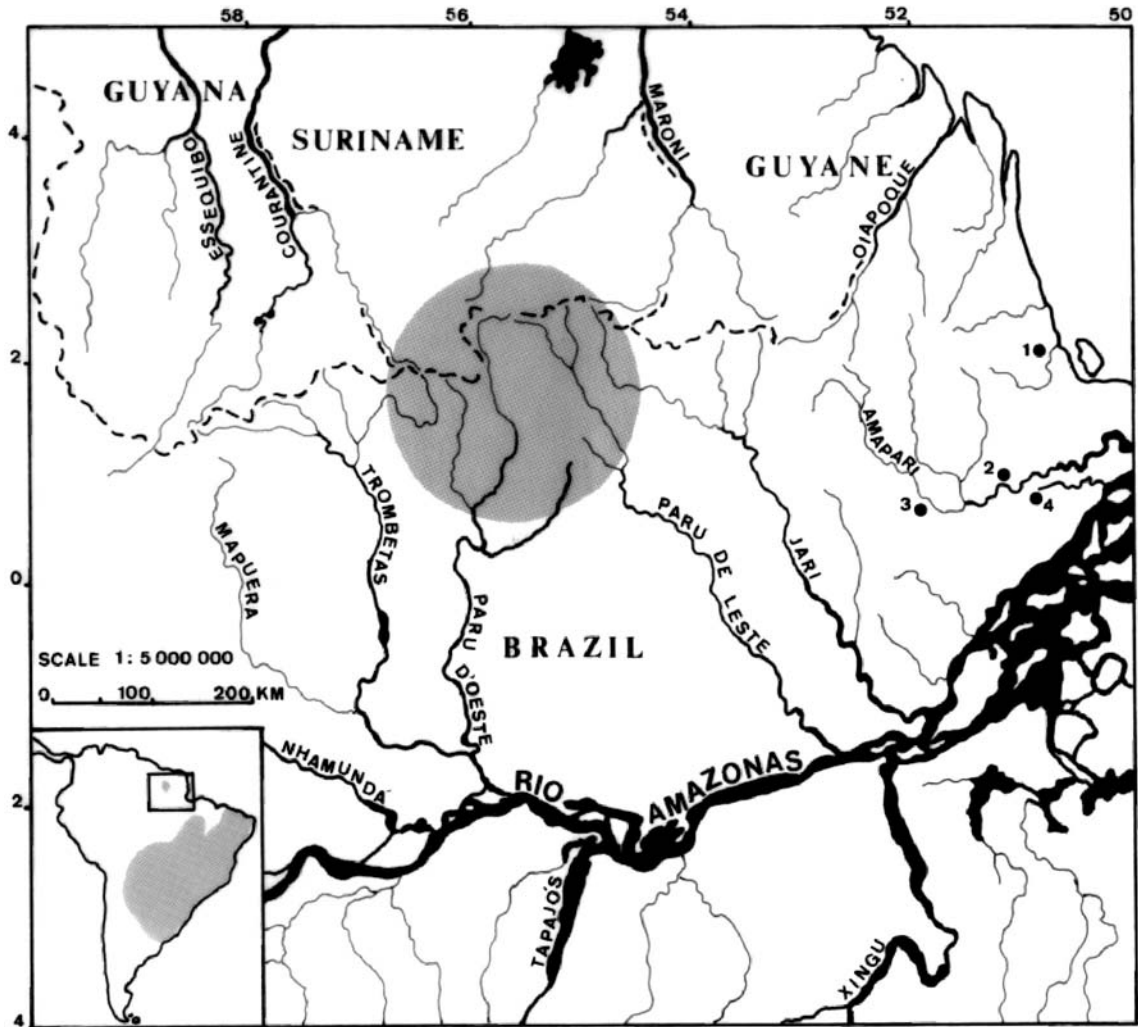


FIGURE 1. New records of *Euphractus sexcinctus* mapped on the geographic distribution (disjunct part) proposed by Wetzel (1985b) and Redford and Wetzel (1985): 1. Fazenda Itapuã, municipality of Amapá; 2. Fazenda Teimoso, municipality of Ferreira Gomes; 3. Porto Platon; 4. Fazenda Parabrillho, municipality of Itaupal.

(AN-645=MPEG-26264); Fazenda Teimoso, Ferreira Gomes (AN-305, 306=MPEG-26262, 26263); Fazenda Parabrillho, Itaupal (AN-765=MPEG-26265); Porto Platon (MNRJ-23972); **Pará:** Cachimbo, Formiga (MZUSP-8035); **Maranhão:** Barra do Corda (MZUSP-7989, 7990); Posto Indígena Awá, Reserva Indígena Caru (MPEG-22022); Boa Lembrança, Sítio Novo (MPEG-23160); Cocal dos Amâncio, Arame (MPEG-23162); Fazenda mapisa, Buriticupu (MPEG-26255, 26256); Alto Alegre, Bacabal (MPEG-26257, 26258); São José das Verdades, Bacabal (MPEG-26259); Piratininga, Rio

Piratininga, Bacabal (MPEG-23298); Palmeiral, Matões (MPEG-26260, 26261); Fazenda Varjão, Pé-de-Coco, Estreito (MPEG-23161); São Pedro dos Crentes, Estreito (MPEG-23163); Balsas, Rio Balsas (MPEG-23196, 23299); **Ceará:** Ipu (MPEG-590); **Rio Grande Do Norte:** Rio Grande do Norte (MPEG-22515, 22592); **Paraíba:** Paraíba (MNRJ-24130); **Pernambuco:** Rio Branco (MNRJ-1505); **Bahia:** Vitória da Conquista (MNRJ-26616); Bom Jesus da Lapa (MNRJ-4293, 4295); Senhor do Bonfim (MZUSP-2658, 3138); Santa Rita de Cássia, Ibipetuba (MZUSP-9973); **Tocantins:** Palma (MNRJ-2373, 2375); **Goiás:**

Anápolis (MNRJ-4529, 4530, 4531, 4540, 4543, 4732, 4973, 4976, 4977, 4979, 4980, 4986, 4988, 4990, 4991, 4992, 4993, 4994, 4995, 4996, 4997, 4998, 4999, 5000, 5001, 5002, 5003, 23980); Caldas Novas (MNRJ-24003); Mineiros (MNRJ-24475, 24476); Ponte do Ipê Arcado, near to Catalão (MZUSP-2158); **Mato Grosso:** Chapada (MZUSP-94); Rondonópolis (MNRJ-43803); Fazenda Aricá, Rio Aricá (MZUSP-6358, 6359); Dumbá (MZUSP-7030); Poconé (MZUSP-9971); Descalvado (MZUSP-25593); **Mato Grosso Do Sul:** Maracaju (MNRJ-4539, 4541, 4542, 4544, 4972, 4978, 4982); Corumbá (MZUSP-3891); Barra do Paredão, Rio Paraná (MZUSP-4561); Salobra (MZUSP-9972); Três Lagoas, Rio Sucuriú (MZUSP-19968); Fazenda Barma, Brasilândia (MZUSP-28770); **Minas Gerais:** Lagoa Santa (MNRJ-23994); Bambuí (MZUSP-8313, 17296, 17297); Araguari (MNRJ-24004); Lassance (MNRJ-43970); Mocambinho, Manga (MNRJ-28890); Fazenda Santa Idália, Matias Cardoso, Manga (MNRJ-29074); Ribeirão Bananal, Salinas (MNRJ-42849, 42851, 42852); Passos (MNRJ-10052, 10103, 10111); Fazenda Carrapicho, Passos (MNRJ-10047, 10048); São João do Glória, Passos (MNRJ-10057, 10058, 10101, 10105, 10108, 10110, 10113, 10115); Fazenda Bananal, Passos (MNRJ-10089); Fazenda Estiva, Passos (MNRJ-10098); Fazenda Cabuí, Mathias Barbosa (MNRJ-10060, 10069, 10083, 10104); Pirapora (MZUSP-3074); **Espírito Santo:** Santa Teresa (MNRJ-5886, 5887); **Rio De Janeiro:** Fazenda da Lapa, Mangaratiba (MNRJ-10112); Fazenda Três Barras, Bem Posta, Três Rios (MNRJ-10080, 10096); Fazenda da Lapa, São João Marcos (MNRJ-5645); **São Paulo:** Cajuru (MZUSP-6614); Serra de Botucatu (MZUSP-7697); Conchas (MZUSP-13735, 13799, 13802); Bauru (MZUSP-495); Fanca (MZUSP-1099); Itararé (MZUSP-1143); Avanhandava (MZUSP-2844); Itatinga (MZUSP-6490); Echaporã (MZUSP-18811); **Rio Grande do Sul:** Quinta, Rio Grande (MZUSP-22187); São Lourenço (MZUSP-341, 1005, 3892); **Bolívia:** Santa Cruz, Rio Pirahy, Prov. Cercado (MZUSP-5508).

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## New Records of the Yellow Armadillo (*Euphractus sexcinctus*) in the State of Maranhão, Brazil (Xenarthra, Dasypodidae)

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## Resumo

A borda noroeste da área de distribuição geográfica de *Euphractus sexcinctus* é revista com base em novos pontos empíricos determinados para o estado do Maranhão, Brasil. Os novos registros foram levantados através da coleta de espécimes, observações diretas, entrevistas, e espécimes de museus. A espécie foi detectada em 27 localidades inseridas em 4 biomas. Nós registramos o uso de uma grande variedade de mesohabitats