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Herpetofauna of the Tiputini Biodiversity Station, Amazonian Ecuador: biodiversity and survey methods in neotropical rainforest

A total of 170 species of amphibians and reptiles were identified over a four-year period at the Tiputini Biodiversity Station (TBS), Ecuadorian Amazonia. TBS protects approximately 650 hectares of primary rainforest. The composition of species was determined through “inventory multiple methods” (visual encounter survey transects, leaf litter plots, pitfall traps, larval survey, and random sampling points). TBS maintains one of the most alpha-diverse community of amphibians (100 species), including two new species of treefrogs of the genus *Hyla*, and two of the genus *Eleutherodactylus*. The application of several survey methods synchronically, here called ‘inventory multiple methods’, is discussed and suggested as an efficient way to survey communities in neotropical rainforest areas.
