

Titanoboa cerrejonensis (58 – 60 Million Years Ago) Northeastern Colombia

Titanoboa is the largest snake to have ever slithered the earth. At **42 feet long** and **1.27 tons**, *Titanoboa* was longer than a school bus and would have had trouble fitting through an office door. This snake lived after the extinction of the dinosaurs during the Paleocene Epoch 58-60 million years ago.

Titanoboa extends the range of **body size** for snakes. The longest recorded living snake was a *Python* at 29 feet, and the longest fossil snake prior to this study was around 34 feet.

28 individual *Titanoboas* have been found with varying completeness, all from the Cerrejón coal mine in northeastern Colombia.

Titanoboa also has enabled scientists to predict **paleotemperature** using fossil snakes for the first time. Because snakes are coldblooded, the size they can attain depends on how warm the climate is. For a snake to have grown this large, minimum mean annual temperatures in the area must have been around 90°F, which is 11° warmer than the region is today.

Titanoboa was described by Florida Museum scientists
Dr. Jonathan Bloch (Assistant Curator of Vertebrate Paleontology),
Jason Bourque (Vertebrate Paleontology Collections Assistant),
and PhD students Alex Hastings, Edwin Cadena, and Fabiany
Herrera in the February 5, 2009 issue of the journal Nature.

