

Project Update: January 2018

I have undertaken various mandibular measurements of voucher specimens belonging to the species *Miniopterus natalensis*, *Myotis tricolor*, *Neoromicia capensis*, *Neoromicia zuluensis*, *Pipistrellus rusticus*, *Scotophilus dinganii*, *Nycteris thebaica*, *Cloeotis percivali*, *Rhinolophus clivosus*, *Rhinolophus simulator*, *Rhinolophus blasii*, *Hipposideros caffer*, *Taphozous mauritanus*, *Rhinolophus smithersii* and *Tadarida aegyptiaca*. Measurements include molar-molar, canine-canine, molar-canine, palate and gape height. These measurements give a 2-D representation of each bat species' mandibular size. Relating these to insect size morphotypes will give an indication of potential insect prey size that can be consumed by particular bat species of a given jaw size.



Left: Side view of *Taphozous mauritanus* skull. ©Teresa Kearney. Middle: My setup of a bat measurement work station at Ditsong National Museum of Natural History. ©Tlaishego Nkoana. Right: Dry bat voucher specimens that were already measured at Ditsong National Museum of natural History. ©Tlaishego Nkoana.