Density

Eneilis Mulero Oliveras (pers. comm. email) - 1-6 boa/ha

Tolson 1997 - 5.23 boa/ha

Rios-Lopez and Aide 2007 - 5.6 boa/ha

Mulero Oliveras 2019 – 1.24 boa/ha (all of Fort Buchanan), max = 3.78 boas/ha

Home range

Puente-Rolon and Bird-Pico 2004:

* cave females - 0.79 ha
* cave males - 0.5 ha
* forest females - 10.3 ha
* forest males - 13.3 ha

Wunderle et al 2004 - 8.5 ha (range: 2-105.5 ha)

Puente-Rolon 2013 - 8 ha (range: 3-23 ha)

Mulero Oliveras 2019 – 3.61 ha (males = 2.02, females = 4.07)

* more movement in urban areas

clipping habitat less than 750 m in QGIS

* elevation layer = GMTED2010 mean elevation, downloaded from USGS Earth Explorer 29 May 2019
* use Align Rasters to align, clip, and reproject elevation layer to match habitat layer
* use Raster Calculator to make a new layer of habitat below 750 m
* Processing Toolbox > Raster analysis > Raster layer unique values report

Analyzed file: habitat\_below\_750.tif (band 1)

Extent: 39084.5000000000000000,205175.5000000000000000 : 328224.5000000000000000,277070.5000000000000000

Projection: \* Generated CRS (+proj=lcc +lat\_1=18.03333333333333 +lat\_2=18.43333333333333 +lat\_0=17.83333333333333 +lon\_0=-66.43333333333334 +x\_0=200000 +y\_0=200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no\_defs) (USER:100000)

Width in pixels: 19276 (units per pixel 15)

Height in pixels: 4793 (units per pixel 15)

Total pixel count: 92389868

NODATA pixel count: 0

|  |  |  |
| --- | --- | --- |
| Value | Pixel count | Area (m²) |
| 0 | 54148937 | 12183510825 |
| 1 | 20942106 | 4711973850 |
| 2 | 17298825 | 3892235625 |

**Total habitat available below 750m = 389,223.6 ha**