

Guide for Acoustic Identification of Florida bats

Family:

Vespertilionidae

Database species code

Myoaus or Myau

See glossary for explanation of codes

Scientific name

Myotis austroriparius (Rhoads, 1897)

Taxonomy follows Simmons and Cirranello (2021)

Call shape

To view call graphics click on the camera icon on the right. You can then move through all images by using the left or right arrow keys. A left mouse click returns to the fact sheet.



Typical North American *Myotis* pulses with FM reversed J broadband pulses of short duration.

Vocal signature parameters

Parameters	N	Min	Max	Mean	St.Dev	10%	25%	75%	90%
Dur	924	1.50	6.02	3.19	1.07	1.78	2.29	4.01	4.76
TBC	858	2.1	4828.3	251.3	435.8	92.0	100.6	225.0	456.6
Fmin	924	34.04	50.00	40.89	3.60	35.56	38.10	43.48	45.38
Fmax	924	43.72	103.90	62.11	10.63	50.63	53.69	68.97	77.67
BW	924	1.70	67.63	21.22	12.20	7.87	11.53	28.59	39.48
Fmean	924	41.18	59.98	49.17	3.51	44.63	46.79	51.31	53.85
Fk	924	42.33	54.79	48.41	3.14	44.69	45.98	50.96	52.98
FcH1	924	18.96	27.03	22.55	1.45	20.84	21.39	23.53	24.69
Fc	924	37.91	54.05	45.09	2.90	41.67	42.78	47.06	49.38
FcH3	924	56.87	81.08	67.64	4.35	62.51	64.17	70.59	74.07
Sc	924	-257.91	708.75	107.69	64.38	46.24	71.34	138.85	177.13
Pmc	924	1.70	117.80	38.03	23.88	12.10	19.28	50.80	74.04

Source of acoustic data

Cynthia and George Marks

Chris J. Corben

Reference calls recorded by Marks are being archived at BioAcoustica and will be freely available. See Baker et al., (2015).

Known counties of distribution

- Alachua
- Baker
- Bay
- Bradford
- Brevard
- Calhoun
- Charlotte
- Citrus
- Clay
- Columbia
- De Soto
- Dixie
- Duval
- Escambia
- Flagler
- Franklin
- Gadsden
- Gilchrist
- Glades
- Gulf
- Hamilton
- Hardee
- Hernando
- Highlands
- Hillsborough
- Holmes
- Indian River
- Jackson
- Jefferson
- Lafayette
- Lake
- Leon
- Levy
- Liberty
- Madison
- Manatee
- Marion
- Nassau
- Okaloosa
- Okeechobee
- Orange
- Osceola
- Pasco
- Pinellas
- Polk
- Putnam
- Santa Rosa
- Sarasota
- Seminole
- St. Johns
- Sumter
- Suwannee
- Taylor
- Union
- Volusia
- Wakulla
- Walton
- Washington

Conservation status

Least concern; Ver.3.1 ; Population trend - stable; evaluated 2008. (I.U.C.N. 2017.)

Notes

See Baker et. al., (2015) for discussion of BioAcoustica and Baker and Vincent (2019) for a critique of the lack of freely available acoustic data.

Citations

Baker, E., B. W. Price, S. D. Rycroft, J. Hill, and V. S. Smith. 2015. BioAcoustica: a free and open repository and analysis platform for bioacoustics. Database. 2015. bav054

Baker, E., and S. Vincent. 2019. A deafening silence: a lack of data and reproducibility in published bioacoustics research? Biodiversity Data Journal 7: e36783.

Marks, C. S., and G. E. Marks. 2006. Bats of Florida. Pp. 176. University of Florida Press, Gainesville.

Simmons, N. B., and A. L. Cirranello. 2020. Bat Species of the World: A taxonomic and geographic database. <http://batnames.org>

The IUCN 2017. Red List of Threatened Species. Version 2017-1. www.iucnredlist.org; Downloaded on August 6, 2017.

