

Guide for Acoustic Identification of Florida bats

Family:

Vespertilionidae

Database species code

Myogri or Mygr

See glossary for explanation of codes

Scientific name

Myotis grisescens A. H. Howell, 1909

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

Parameter	N	Min	Max	Mean	St.Dev	10%	25%	75%	90%
Dur	1309	1.00	5.99	3.22	1.39	1.36	2.03	4.32	5.28
TBC	1279	1.3	9710.8	174.8	407.7	50.4	83.0	163.4	259.4
Fmin	1309	42.11	59.70	43.93	2.45	42.11	42.55	44.20	46.51
Fmax	1309	43.96	109.59	62.58	12.31	49.32	52.98	70.80	80.00
BW	1309	1.63	66.81	18.65	12.43	5.01	9.05	26.56	35.56
Fmean	1309	43.14	64.84	50.60	4.46	46.04	47.25	53.02	57.23
Fk	1309	43.01	87.91	51.09	6.22	46.24	47.62	51.95	56.02
FcH1	1309	21.51	40.00	23.95	2.91	21.98	22.47	24.24	26.49
Fc	1309	43.01	80.00	47.91	5.82	43.96	44.94	48.48	52.98
FcH3	1309	64.52	120.00	71.86	8.74	65.94	67.41	72.72	79.47
Sc	1309	-499.6	744.9	108.6	112.5	30.3	45.1	126.4	251.3
Pmc	1309	0.60	149.30	30.84	22.45	7.00	13.90	43.30	62.62

Reported by Szewczak (2018)

Myogri	Fc	Fmax	Fmin	FmaxE	dur	uppr slp	lwr slp	slp @ Fc	total slp
Mean	45.7	79.5	41.8	48.2	7.2	11.5	2.0	2.4	4.8
Max	47.0	91.0	44.0	52.0	8.5	15.0	3.1	4.2	7.6
Min	44.0	68.0	40.0	44.0	5.8	8.3	0.9	0.5	2.0

Source of acoustic data

Chris Corben

Known counties of distribution

- Bay
- Calhoun
- Escambia
- Gadsden
- Holmes
- Jackson
- Jefferson
- Leon
- Liberty
- Okaloosa
- Santa Rosa
- Walton
- Washington

Conservation status

Near threatened; Ver.3.1 ; Population trend - increasing; evaluated 2008. (I.U.C.N. 2017.)

Citations

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>

Szewczak, J. M. 2018. Echolocation Call Characteristics of Eastern U.S. Bats. Echolocation call characteristics of Eastern U.S. Bats. Unpublished report.

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

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