

# Guide for Acoustic Identification of Florida bats

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## Family:

Vespertilionidae

## Database species code

Myosod or Myso

See glossary for explanation of codes

## Scientific name

*Myotis sodalis* Miller and Allen, 1928

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	4120	1.00	5.99	3.56	1.26	1.65	2.59	4.55	5.11
TBC	4039	41.2	8209.5	165.5	290.3	77.7	89.8	154.6	245.5
Fmin	4120	38.10	56.74	40.00	2.43	38.28	38.65	40.40	42.33
Fmax	4120	46.24	108.11	67.98	12.78	51.61	56.34	77.67	85.11
BW	4120	2.86	67.71	27.98	13.05	11.87	16.34	38.09	45.51
Fmean	4120	43.01	64.93	49.36	4.10	44.43	45.99	51.86	54.87
Fk	4120	40.00	64.52	48.45	4.97	42.78	44.44	51.95	55.56
FcH1	4120	20.00	31.50	22.37	2.27	20.20	20.62	23.81	25.64
Fc	4120	40.00	62.99	44.75	4.54	40.40	41.24	47.62	51.28
FcH3	4120	60.00	94.49	67.12	6.81	60.60	61.86	71.43	76.92
Sc	4120	-411.1	796.1	137.8	86.4	52.5	89.2	168.6	225.9
Pmc	4120	0.00	144.90	52.80	29.79	16.70	27.50	76.10	94.20

Reported by Szewczak (2018)

Myosod	Fc	Fmax	Fmin	FmaxE	dur	uppr slp	lwr slp	slp @ Fc	total slp
Mean	40.8	80.9	37.5	44.0	5.8	16.8	4.6	2.6	7.1
Max	42.0	90.0	40.0	47.0	6.6	21.0	5.8	4.6	9.2
Min	39.0	72.0	35.0	41.0	5.0	13.0	3.3	0.5	5.1

## Source of acoustic data

Chris Corben

## Known counties of distribution

- Holmes
- Jackson

## Conservation status

Near threatened; Ver.3.1 ; Population trend - stable; evaluated 2016. (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 Unpublished report.

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