USFW

Data entry is required in cells of this color
Data entry in cells of this color should be completed if the information is available

Age code	Age
"A" or "a"	Adult
"J" or "j"	Juvenile
"U" or "u"	Unknown

Gender code	Gender
"M" or "m"	Male
"F" or "f"	Female
"U" or "u"	Unknown

Male reproductive status options	
Code	**Status**
"N" or "n"	Non-reproductive
"TD" or "td"	Testes-descended
"U" or "u"	Unknown

Female reproductive status options	
Code	**Status**
"N" or "n"	Non-reproductive
"L" or "l"	Lactating
"P" or "p"	Pregnant
"PL" or "pl"	Post-lactating
"U" or "u"	Unknown

'S Geographic Area

Species Codes	*Species*
CORA	*Corynorhinus rafinesquii*
COTO	*Corynorhinus townsendii*
COIN	*Corynorhinus townsendii ingens*
EPFU	*Eptesicus fuscus*
LANO	*Lasionycteris noctivagans*
LABO	*Lasiurus borealis*
LACI	*Lasiurus cinereus*
LASE	*Lasiurus seminolus*
MYAU	*Myotis austroriparius*
MYGR	*Myotis grisescens*
MYLE	*Myotis leibii*
MYLU	*Myotis lucifugus*
MYSE	*Myotis septentrionalis*
MYSO	*Myotis sodalis*
NYHU	*Nycticeius humeralis*
PESU	*Perimyotis subflavus*
TABR	*Tadarida brasiliensis*
MYLU_MYSO	*M. lucifugus or M. sodalis*
UNKN	*Unknown*
UNMY	*Unknown Myotis*
UNLA	*Unknown Lasiurine*
NOBATS	*No bats*

: Midwest 2020

Common name
Rafinesque's big-eared bat
Townsend's big-eared bat
Ozark big-eared bat
Big brown bat
Silver-haired bat
Eastern red bat
Hoary bat
Seminole bat
Southeastern myotis
Gray bat
Eastern small-footed bat
Little brown bat
Northern long-eared bat
Indiana bat
Evening bat
Tri-colored bat
Brazilian free-tailed bat
Little brown or Indiana bat
Unknown
Unknown Myotis
Unknown Lasiurine
No bats

Expires ##/##/20##

USFWS Geographic Area: Midwest 2020

LAT (decimal degree)	LONG (decimal degree)	Positional accuracy	Month	Day	Year	Start Time (military)

End Time (military)	**Project Name**	**Site Name**	**State**	**County**

Type of Survey	Number of Net sets/Trap Nights for this Date at this Site (level of nightly survey effort)	Total net area (square meters)

Habitat Type or Feature being Surveyed	Permittee Name	Federal Permit Number

Email address for Individual who Monitored this site.	Comments

Capture time (military time)	Abbreviated data entry				Drop-down dat	
	Species code	Age	Sex	Reproductive status	Scientific name	Age

Demographic Information

ta entry		Right forearm measurement (mm)	Ear length (mm)	Tragus length (mm)	Weight (g)	Height in net	Units (m or ft)
Sex	Reproductive status						

		Bands/Markers			
Sample taken	**Reichard Wing score**	**New band or recapture** (leave blank if not banded)	**Bands/Markers** (type/color)	**Band ID** (prefix and number)	**Band Arm**

S		Comments
Pit tag number	Radio frequency	

Site ID (use drop-down menu)

Site ID check DO NOT ENTER DATA. This cell should auto-populate with the project name.If it doesn't your value for Site ID is invalid.

Roost ID	**LAT** (decimal degree)	**LONG** (decimal degree)	**Location accuracy**

Project name (use drop-down menu)	**Ownership**	**State**	**County**	**Roost Type**

Day Roost vs. Night Roost	Tree Species (full scientific name)	DBH	Units	Decay State (1-9)	Tree Height

Units	Roost Height (if known)	Units	Exfoliating Bark (% remaining)	Canopy Closure (%)

MicroHabitat	Comments	

Bat species	**Bat ID** (if applicable)

Used by this bat the night of this count? (if applicable)	**Roost ID** (use drop-down menu)	**Total Emergence Count**

Date	Comment	**Bat ID check** should auto-populate with "Good" if the Bat ID value is valid	**Roost ID check** should auto-populate with "Good" if the Roost ID value is valid
		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good

		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good
		Good	Good

LAT (decimal degree)	**LONG** (decimal degree)	**Positional Accuracy**	**Month**	**Day**	**Year**	**Start Time** (military)

End Time (military)	**Project Name**	**Site**	**State**	**County**	**Survey Type**

Detector Brand	Detector Model	Microphone Brand & Model

Directional, Omnidirectional, or Hemispherical Microphone	**Weatherproofing type**	**Microphone Height (m)**	**Horizontal Orientation of Directional Microphone** (1-360 degrees)

Vertical Orientation of Directional Microphone (approx. degrees)	**Sensitivity Setting**	**Audio Division** (if applicable)

Data Division (if applicable)	**Were calls collected in Full Spectrum or Zero Crossing?**	**Habitat Type or Feature being Surveyed**	**Name of Person who Selected Acoustic Site**

Name of Person who Deployed Detector	Email Address of Primary Surveyor	Comments

Species	Number of calls ID'ed for that species	Bat ID Software Program Used	Software Version Used

If calls were converted from Full Spectrum to Zero Cross, what program was used?	**Maximum Likelihood Estimation** (MLE) ***P*-value**	**Number of Calls Confirmed through Qualitative ID** (if conducted)

Name of Individual who Conducted Qualitative ID (if conducted)	**Site ID (use drop-down menu)**

Site check DO NOT ENTER DATA This cell should auto-populate with the project name. If it doesn't your value for SITE ID is invalid.