

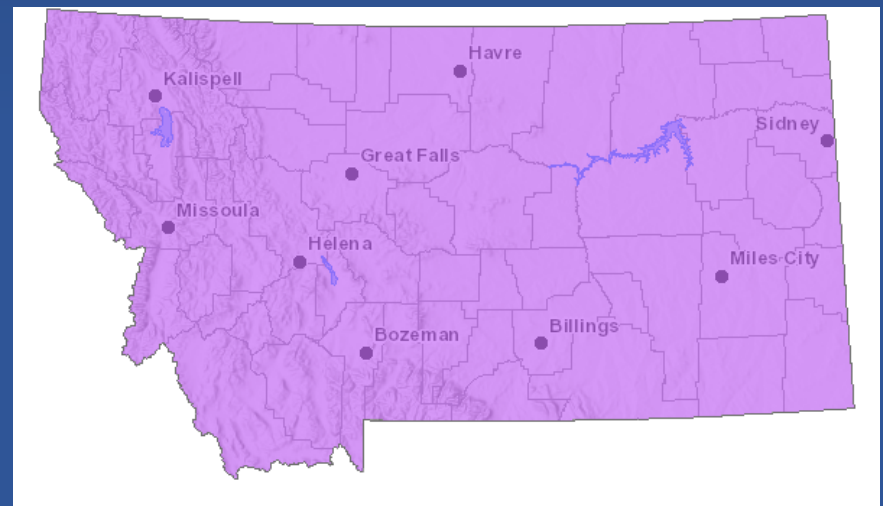
# Montana's Bat Species

# Overview

- All in *Vespertilionidae*
- Myotis
  - 8 species
- 2 Lasiurus
  - 2 species
- 5 other genera
- 15 species total

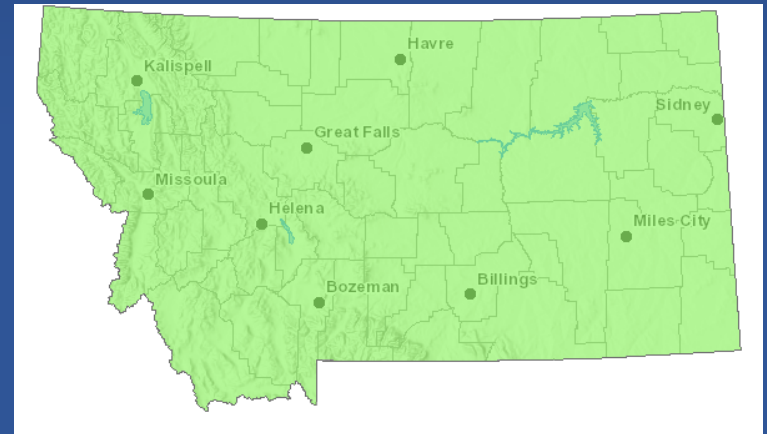
# Big Brown Bat (*Eptesicus fuscus*)

- Field marks:
  - Dog like muzzle
- State Rank S4
- Roosts:
  - Structures
  - Rock outcrops
  - Trees
- Hibernacula
  - Caves/mines
  - Rock crevices



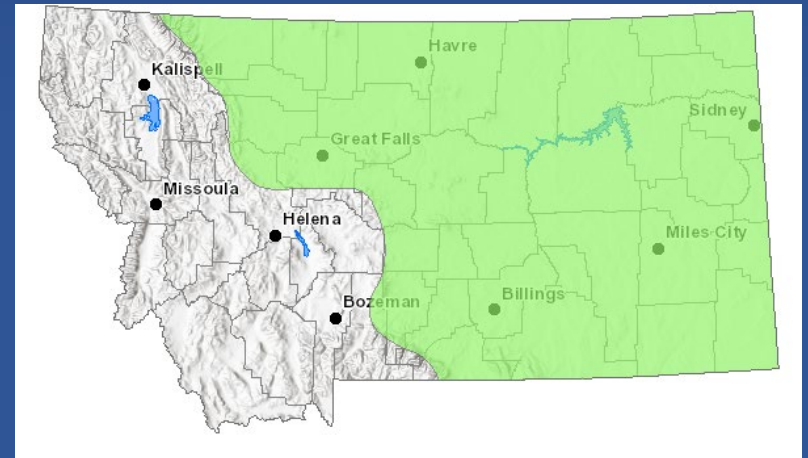
# Hoary Bat (*Lasiurus cinereus*)

- Field marks
  - Distinctive hoary pelage
  - White wrist and elbow patches
- State Rank: S3 Species Of Concern
- Roosts:
  - Foliage
- Migratory
  - Unknown where they overwinter
- Almost all adults in MT are Male



# Eastern Red Bat (*Lasiurus borealis*)

- Field Marks
  - Red pelage
  - Black membranes
- State rank: S3, SOC
- Roosts:
  - Foliage
  - Duff
- Most individuals in MT migratory
- Present in June-September



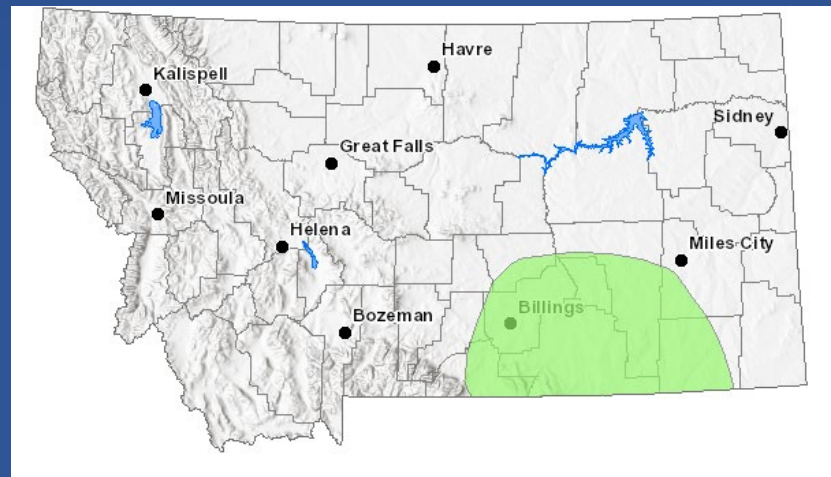
# Spotted Bat (*Euderma maculatum*)

- Field Marks
  - Large ears
  - Black-and-white pelage
  - Audible call
- State rank: S3, SOC
- Roosts:
  - Cliffs/ rock outcrops
- Resident or migratory?
- Can travel > 60km between foraging and roosting sites



# Pallid Bat (*Antrozous pallidus*)

- Field marks:
  - Large ears
  - “pig-like” nostrils
- State rank: S3, SOC
- Roosts:
  - Rock outcrops
- Resident or migratory?



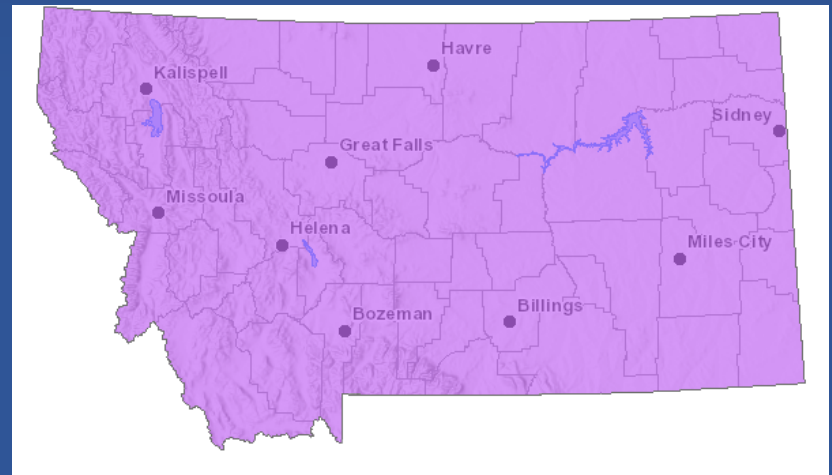
# Why Pallid bats rock:

- <https://www.pbs.org/video/pallid-bats-vs-scorpions-mz6hkh/>



# Townsend's Big-eared Bat (*Corynorhinus townsendii*)

- Field Marks:
  - Large ears
  - “lumps” on rostrum
- State rank: S3, SOC
- Roosts:
  - Caves/ Mines
  - Buildings
- Associated with forests/brushy habitat

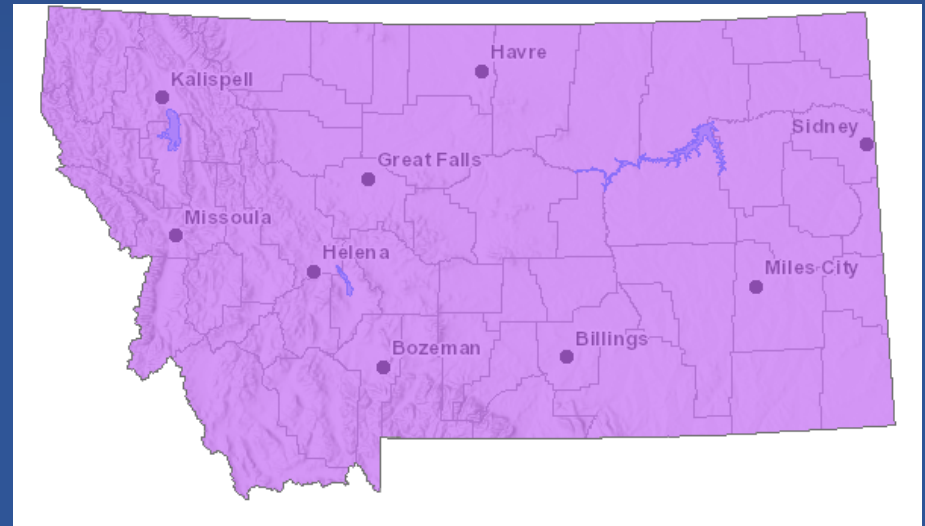


# Bats and Moths

- <https://www.youtube.com/watch?v=irkYP8vxVzE>

# Silver-haired Bat (*Lasionycteris noctivagans*)

- Field marks:
  - Dark pelage with silver tips
  - Margin of ear light in color
- State sank: S4 PSOC
- Roosts:
  - Trees
  - Structures
- Hibernacula:
  - ?
  - Rock outcrops in BC



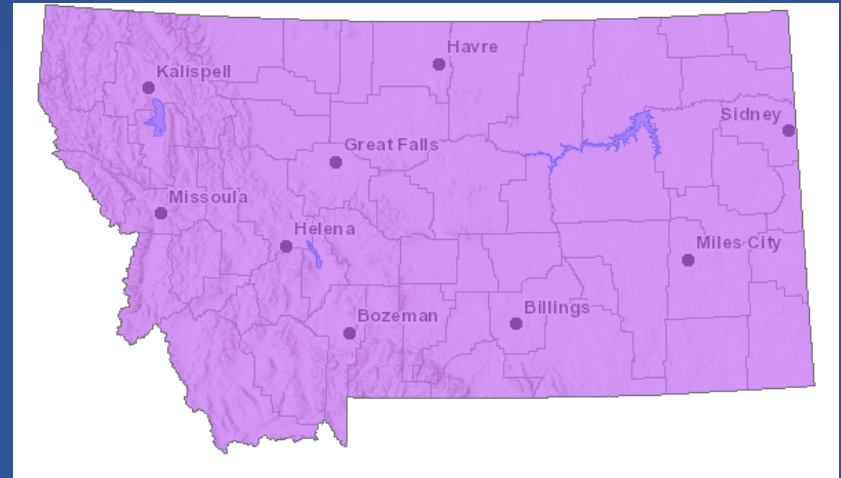
# *Myotis* bats

- 8 species
- All very similar in size and appearance
- Identification often requires in-hand morphology, sometimes genetics
- Roosts are similar across species:
  - Man-made structures
  - Caves/ mines
  - Rock outcrops
  - Trees



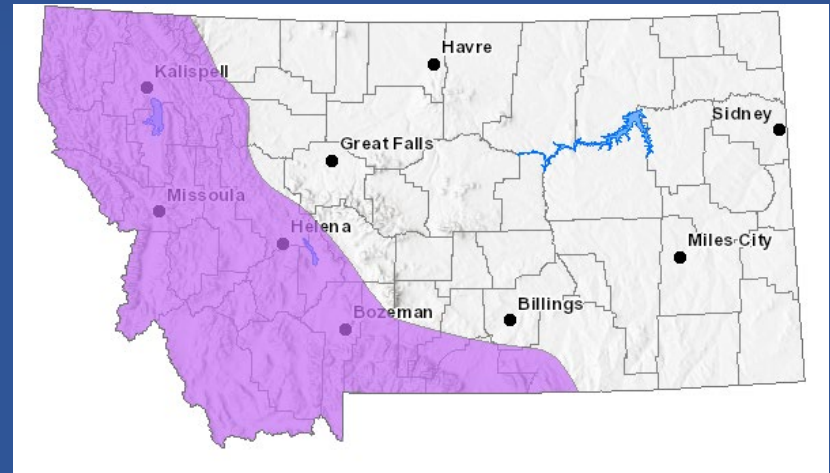
# Western Small-footed Myotis (*M. ciliolabrum*)

- 4-6g in mass ( ~ 1 quarter)
- State rank: S4
- Roosts:
  - Crevices
  - Rock outcrops
- Hibernacula:
  - Caves
  - Rock outcrops?



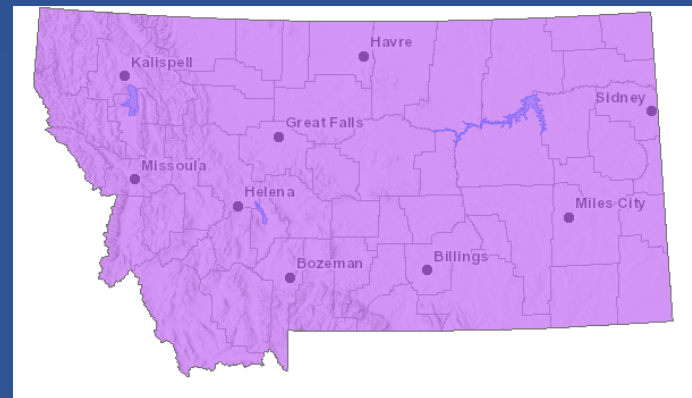
# California Myotis (*M. californicus*)

- 3-5 g
- State rank: S4
- Forested areas
- Roosts:
  - Crevices
  - Rock outcrops
  - Trees
- Hibernacula
  - ?



# Long-legged Myotis (*M. volans*)

- State rank: S4
- Generalist, favors forested areas
- Roosts:
  - Trees
  - Rock crevices
- Hibernacula:
  - Caves

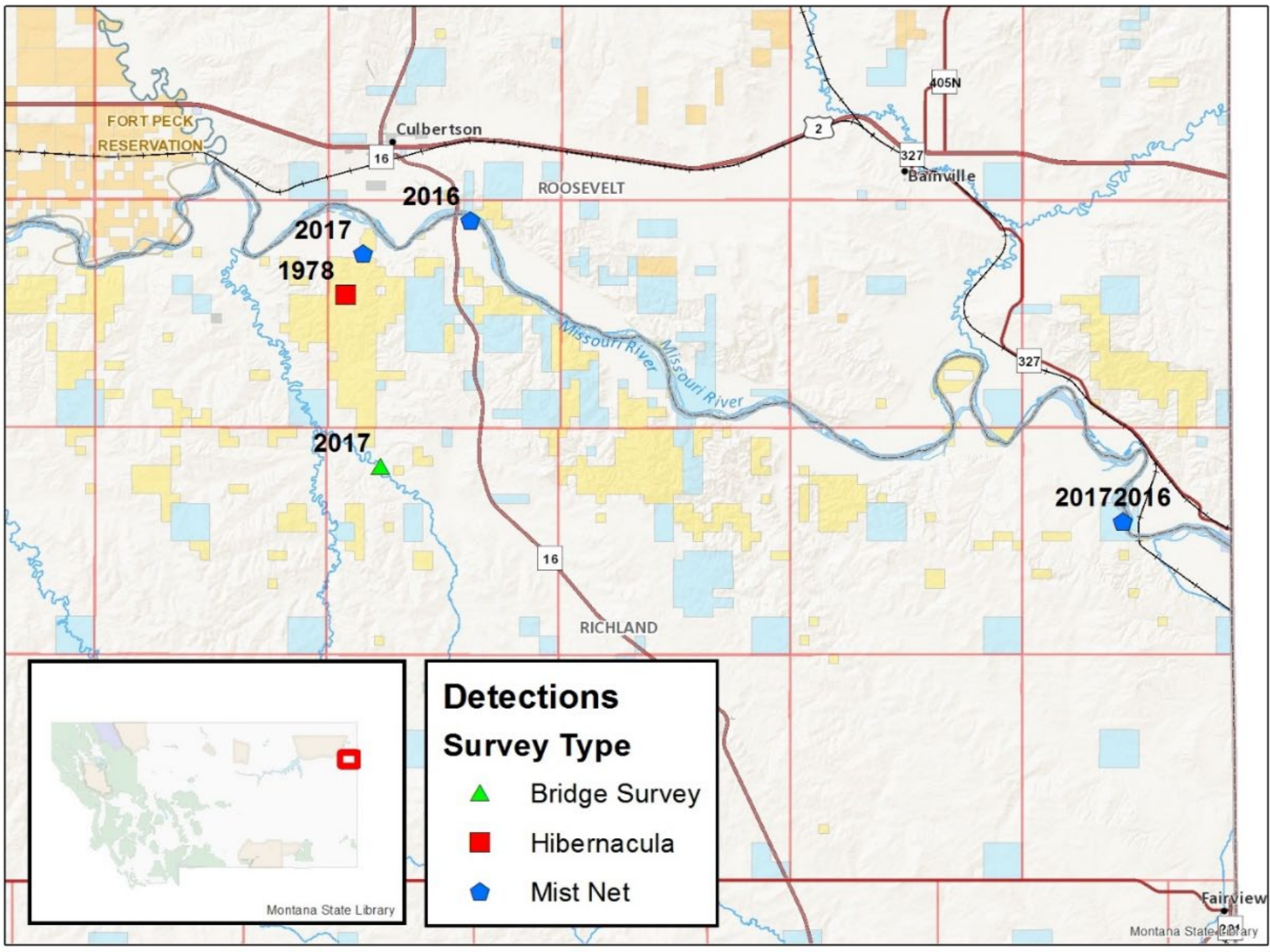


# Northern Myotis (*Myotis septentrionalis*)

- Rare in MT
- State Rank: S2, SOC;
- Listed as Threatened  
USFWS
- Known from deciduous  
forests
- Roosts:
  - Cottonwood, Green Ash,  
Willow
- Hibernacula
  - Caves/ Mines

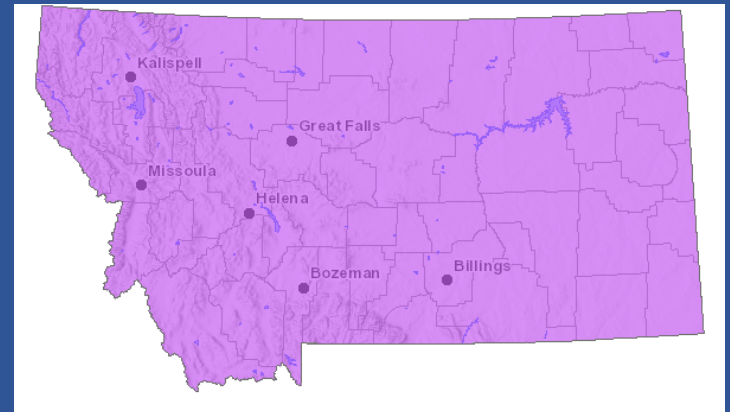






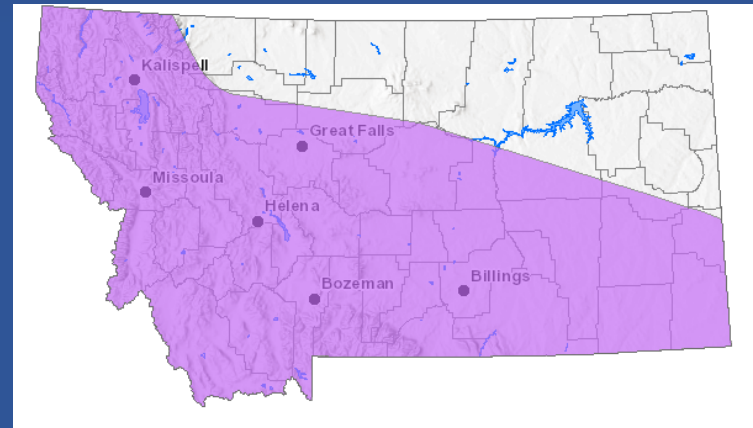
# Long-eared Myotis (*Myotis evotis*)

- State Rank S4
- Generalists
- Roosts
  - Rock outcrops
  - Trees
- Hibernacula
  - Caves/ Mines



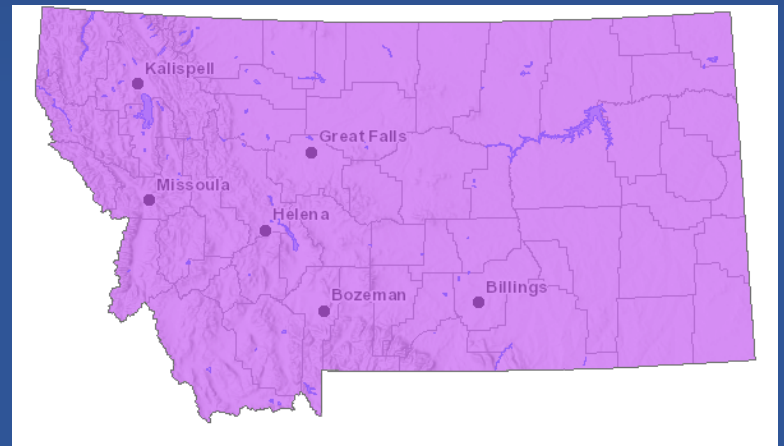
# Fringed Myotis (*Myotis thysanodes*)

- State Rank: S3 SOC
- Shrublands and Forests
- Roosts:
  - Trees
  - Crevices
- Hibernacula:
  - Caves/Mines



# Little Brown Myotis (*Myotis lucifugus*)

- Most common Myotis species
- State rank: S3, SOC
- Generalist
- Roosts:
  - Structures
  - Crevices
- Hibernacula
  - Caves/ mines
  - Outcrops?



# Yuma Myotis (*Myotis yumanensis*)

- State rank: S3, SOC
- Similar to Little Brown Bat
- Roosts:
  - Structures
  - Crevices
- Hibernacula
  - Caves/ mines
  - Outcrops?

