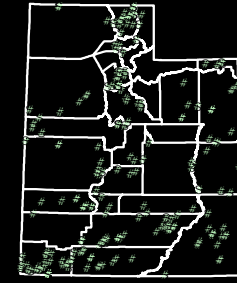


# Bats

## of Utah



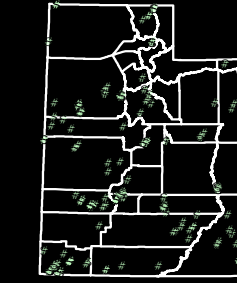
***Eptesicus fuscus***  
**Big Brown Bat**  
 Avg. mass: 17 grams  
 Avg. wingspan: 340 mm  
 Young per year: 1 (twins in eastern US)



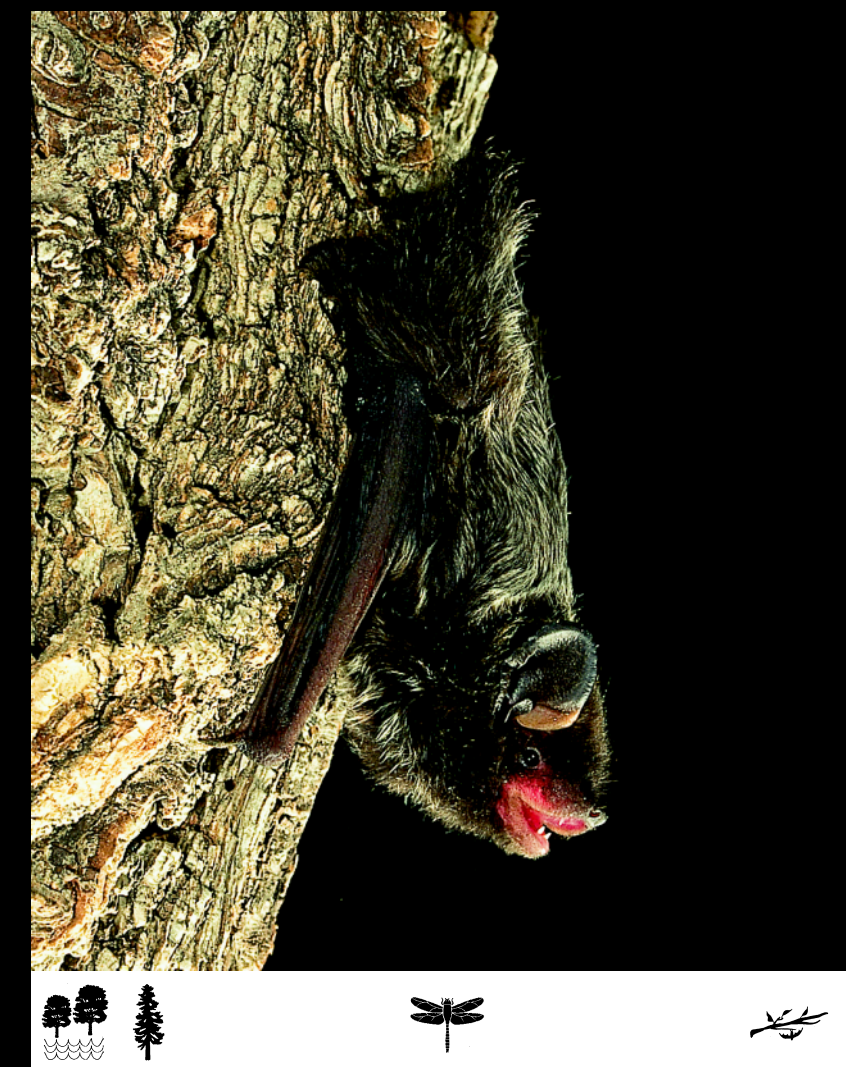
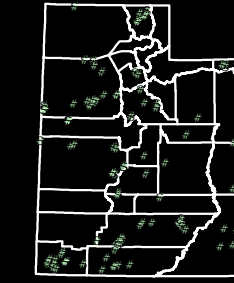
***Euderma maculatum***  
**Spotted Bat**  
 Avg. mass: 14 grams  
 Avg. wingspan: 345 mm  
 Young per year: 1



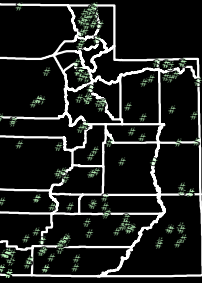
***Corynorhinus townsendii***  
**Townsend's Big-eared Bat**  
 Avg. mass: 11 grams  
 Avg. wingspan: 280 mm  
 Young per year: 1



***Myotis ciliolabrum***  
**Western Small-footed Myotis**  
 Avg. mass: 4 grams  
 Avg. wingspan: 220 mm  
 Young per year: 1



***Lasionycteris noctivagans***  
**Silver-haired Bat**  
 Avg. mass: 12 grams  
 Avg. wingspan: 290 mm  
 Young per year: 2



Bats are the most maligned and misunderstood of all mammals. Negative misconceptions surround bats despite the fact that most people know them only as mysterious fluttering objects observed at dusk on summer evenings. Mysteries aside, bats are fairly innocuous to humans. Bats don't attack people to entangle themselves in their hair; they really aren't interested in people at all. As mammals, they have hair, regulate their body temperatures internally, and nurse their young. Bats are the only mammals that fly, and although they have eyes and see very well, they also have the ability to navigate in the absence of sufficient light by using sonar. This sensory system is known as echolocation. It is this constant reaction to incoming echoes that makes a bat in flight appear to stutter or falter, when in reality bats are superb fliers.

At latest count, there are 925 bat species worldwide, 44 species in North America, and 18 species that reside in Utah. All 18 of Utah's bats eat insects. In fact, these bats are perhaps the most significant predators of night flying insects, giving them an important function in the ecosystem. During the day some bats roost in caverns such as caves and abandoned mines, while others prefer to roost in crevices and hollows of trees. Recent bat research indicates that numbers of some bat species in Utah may be declining, most likely from the loss of their natural roosting habitat. In light of this information, it is important to note that timber harvesting practices and abandoned mine closures can be undertaken in ways that benefit bats. Old and dead trees can be spared on logged sites to allow them to be used as bat roosts, and abandoned mines can be gated to keep people out while allowing bats continued access.

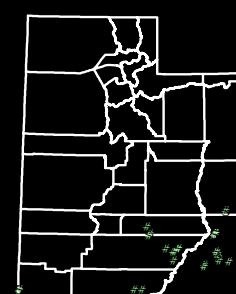
Bats should be admired rather than feared. They are capable of truly acrobatic displays as they forage for insects each night. With a minimum of effort, we can watch bats maneuvering around and over trees in the neighborhood, diving at moths under street lamps, or passing to and fro in the back yard. The emergence of a group of bats from a roost is truly a spectacular sight, with bats flying in close proximity to each other while avoiding collisions with other bats as well as objects in the landscape.



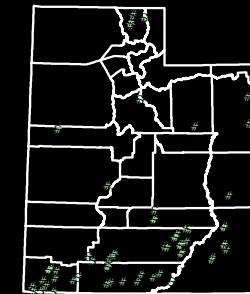
(Center Image: Pallid Bat with centipede. All photos supplied by J. Scott Altenbach)



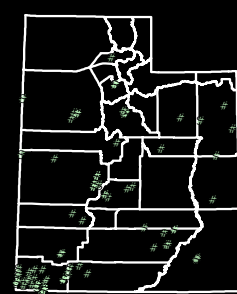
***Idionycteris phyllotis***  
**Allen's Lappet-browed Bat**  
 Avg. mass: 11 grams  
 Avg. wingspan: 330 mm  
 Young per year: 1



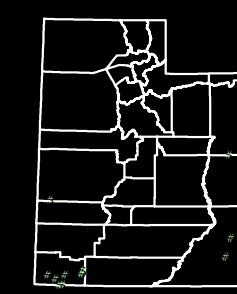
***Myotis thysanodes***  
**Fringed Myotis**  
 Avg. mass: 5-7 grams  
 Avg. wingspan: 270-300 mm  
 Young per year: 1



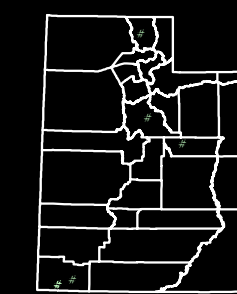
***Tadarida brasiliensis***  
**Brazilian Free-tailed Bat**  
 Avg. mass: 10 grams  
 Avg. wingspan: 300 mm  
 Young per year: 1



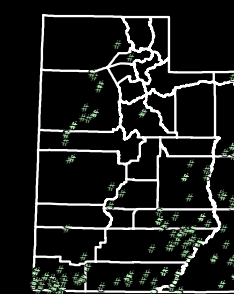
***Nyctinomops macrotis***  
**Big Free-tailed Bat**  
 Avg. mass: 26 grams  
 Avg. wingspan: 425 mm  
 Young per year: 1



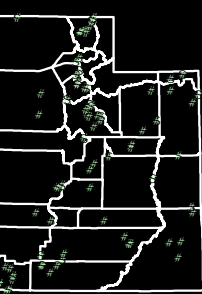
***Lasiurus blossevillei***  
**Western Red Bat**  
 Avg. mass: 12 grams  
 Avg. wingspan: 280 mm  
 Young per year: 1-4 (3-4 is typical)



***Pipetrellus hesperus***  
**Western Pipestrelle**  
 Avg. mass: 4 grams  
 Avg. wingspan: 200 mm  
 Young per year: 2



***Lasiurus cinereus***  
**Hoary Bat**  
 Avg. mass: 25 grams  
 Avg. wingspan: 400 mm  
 Young per year: 2



***Antrozous pallidus***  
**Pallid Bat** (Center Image)  
 Avg. mass: 19 grams  
 Avg. wingspan: 380 mm  
 Young per year: 1-2 (generally twins)

**Key To Symbols**

**Food Types**

Flying Insects (represented by a fly icon)  
 Ground-dwelling Arthropods (represented by a centipede icon)

**Habitat Types**

Pinyon Juniper (represented by a juniper tree icon)  
 Pine, Oak & Aspen (represented by a pine tree icon)  
 Desert Shrubs (represented by a shrub icon)  
 Riparian (represented by a willow tree icon)  
 All Habitats (represented by a house icon)

**Roost Types**

Mines & Caves (represented by a mine icon)  
 Trees (represented by a tree icon)  
 Crevices (represented by a crack icon)  
 Cliffs (represented by a cliff icon)  
 Bridges (represented by a bridge icon)  
 Buildings (represented by a house icon)