## **DICHOTOMOUS KEY** FOR THE BATS OF UTAH

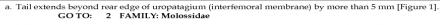
STEP

1

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FIGURE

DIAGNOSTIC





b. Tail does not extend beyond rear edge of uropatagium or only slightly (≤5 mm) [Figure 2].
 GO TO: 3 FAMILY: Vespertilionidae

2 a. Ears do not join at the base, small bumps are present along the ear's front edge.

Ears barely extend past the shout when laid forward.

Tail generally does not extend >25 mm past interfemoral membrane; usually extends ~19 mm.

Fur is generally uni-colored, darkish gray/brown, species often exudes strong, musty odor.

BRAZILIAN FREE-TAILED BAT (Tadarida brasiliensis)

b. Ears join at the base, small bumps along the front edges of the ear are not present [Figure 3]. Ears poin at the base, small bullips along the followard.

Fars extend well beyond the snout when laid forward.

Tail generally extends at least 25 mm past interfemoral membrane.

Fur is bi-colored, almost white at its base, distal color ranges from reddish-brown to black.

BIG FREE-TAILED BAT (Nyctinomops macrotis)

a. Ears longer than 25 mm [Figure 4]. GO TO: 4

b. Ears shorter than 25 mm. GO TO:

a. Three conspicuous white spots present on back, one on each shoulder and one on lower back; [Figure 5]. Ears are pink.

SPOTTED BAT (Euderma maculatum)

b. Three dorsal spots not present.GO TO: 5

a. Ears clearly separated at base; dorsal pelage is light brown to yellow, hairs lighter at base. PALLID BAT ( $Antrozous\ pallidus$ )

b. Ears joined at base. GO TO:

a. Each ear has lappet (flap of skin) near its base anteriorly, which extends forward toward snout [Figure 6].
 Muzzle does not have well-defined dermal glands [Figure 7].
 ALLEN'S BIG-EARED BAT (Idionycteris phyllotis)

b. Ears do not have basal lappets (flaps of skin) extending anteriorly.

Muzzle does have a well-defined pair dermal glands.

TOWNSEND'S BIG-EARED BAT (Corynorhinus townsendii)

a. Uropatagium (interfemoral membrane) heavily furred dorsally.
 GO TO: 8

b. Uropatagium (interfemoral membrane) not heavily furred dorsally.

GO TO: 10

8 a. Weight is generally greater than 20 g; Light colored ears distinctly edged in black.

Dorsal pelage pale yellow/brown at base, black/dark brown in middle and white/cream at tip.

HOARY BAT (Lasiurus cinereus)

b. Weight is generally less than 20 g.

Dorsal pelage is not pale yellow/brown at base, black/dark brown in middle and white/cream at tip.

GO TO: 9

a. Fur color is dark brown to black with silver/white tips, giving a frosted appearance.

SILVERED-HAIRED BAT (Lasionyceris noctivagans)

b. Fur color is not dark brown to black with silver/white tips, rather it is brick red to rust on upperparts

with pale undersides.

WESTERN RED BAT (Lasiurus blossevillii)

10 a. Tragus short (<6 mm), blunt, rounded, and curved [Figure 8].
GO TO: 11

b. Tragus long (>6 mm), pointed, and straight [Figure 9].GO TO: 12



