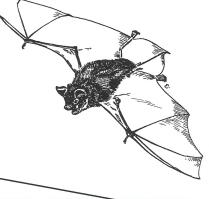
Pelage black-brownish, with a frosting of white on back and usually on underside.

Silver-haired Bat

 Dorsal (top) surface of wing membrane (Figure 7) lightly furred. Ears black, short, and rounded, as is the blunt tragus. Brownish pelage without white frosting.

Calcar with well-developed keel (Figure 5A).

Calcar without well-developed keel (Figure 5B).



Underwing furred outward to a line from the elbow to the knee.

Long-legged Myotis

 Color usually dark, but variable. Ears short, barely reaching the nose when laid forward. Underwing not furred.

California Myotis

• The smallest *Myotis*, generally rich reddish brown above and buffy brown below. Dark ears extend about 1 mm beyond nose when laid forward. Thumbs and hind feet very small and delicate.

Ear long (greater than 17 mm; Figure 6A). When layed forward, ear extends about 4 mm beyond tip of nose; fur dark brown without glossy sheen.

Keen's Myotis

• Essentially looks like Little Brown Myotis, except for longer ears and tragus (pointed) Ear shorter (less than 17 mm; Figure 6B). When laid forward, ear reaches only to nostril; fur reddish brown with glossy sheen.

Little Brown Myotis

• The expected species of *Myotis* in Southeast Alaska. Long hairs on the toes extend beyond the tips of the claws.

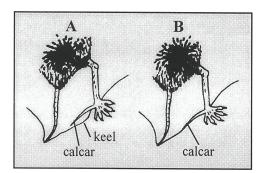


FIGURE 5. Calcar (A) with and (B) without keel.

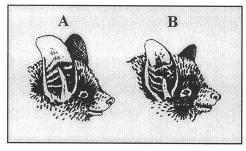


FIGURE 6. Ear length comparison of (A) Keen's Myotis, and (B) Little Brown Myotis.

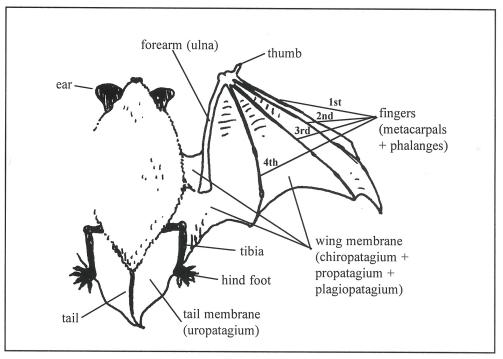


FIGURE 7. External features of a vespertilionid bat.

Skull with 36 teeth (12 upper teeth, 12 lower).

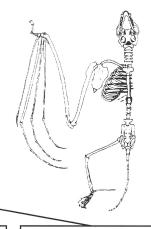
Silver-haired Bat

• <u>Two</u> upper premolars on each side of skull (rather than <u>three</u>, as with other species included here). Skull length 15.5-16.5 mm.

Skull with 38 teeth (12 upper teeth, 18 lower).

Skull small, usually less than 14.2 mm long.

Skull larger, usually more than 14.2 mm long.



Rostrum relatively long and tapered; braincase rising abruptly from rostral level, flat-topped (Figure 10).

California Myotis

• Skull small, delicate with steeply sloping forehead. Skull length 12.4-14.2 mm.

Rostrum shorter; braincase rising abruptly, sloping.

Long-legged Myotis

• Skull from other *Myotis* by relatively broad interorbital area (the ratio of the interorbital to the upper toothrow distances is greater than 0.7 mm) and the strongly elevated brain-case. Skull length 13.5-14.2 mm.

Rostrum moderately long and gradually sloping (Fig. 10); usually without a sagittal crest.

Little Brown Myotis

• Skull length 14.2-15.4 mm.

Rostrum short and rising abruptly (Figure 10); sagittal crest sometimes present.

Keen's Myotis

• Very similar to *Myotis evotis* (of central and southern British Columbia). Skull of *M. evotis* has longer toothrow than *M. keenii*: distance from last upper premolar to last upper molar greater than 4.2 mm. Skull length 14-15 mm.

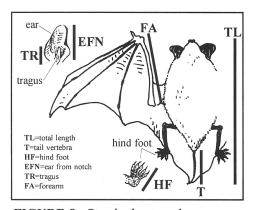


FIGURE 8. Standard external measurements (excluding maximum wingspan)

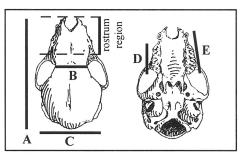


FIGURE 9. Skull measurements: A, skull length; B, least interorbital width; C, mastoid width; D, length from last upper premolar to last upper molar; E, length of upper toothrow.

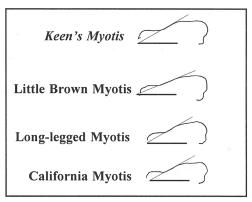


FIGURE 10. Relative slope of forehead of *Myotis* bats in Southeast Alaska

TABLE 1. Standard external measurements of five species of vespertilionid bats known to occur in Southeast Alaska.

SPECIES	Total Length	Tail Length	Hind Foot	Ear	Forearm	Tragus	Wingspread	Mass
Little Brown Myotis	89 mm (79-93)	35 mm (31-40)	9.5 mm (8.5-10)	13 mm (9-17)	36 mm (33-40)	7 mm (4-10)	(222-269 mm)	6.2 g (6.2-10.4)
Keen's Myotis	84 mm (79-88)	36 MM (30-40)	6.5 MM (5.5-7.5)	18 mm (16-20))	36 mm (34-38)	11 mm (9-12)	(209-262 mm)	5.5 g (4.0-5.9)
Long-legged Myotis	95 mm (88-99)	46 mm (38-54)	9 mm (8-10)	12 mm (9-15)	38 mm (34-43)	6 mm (5-7)	(220-270 mm)	7.2 g. (5.5-10)
California Myotis	80 mm (79-84)	36 mm (30-40)	6.5 mm (5.5-7.5)	13 mm (8-15)	32 mm(29-36)	4 mm (4-8)	(220-230 mm)	4.4 g (3.3-5.4)
Silver-haired Bat	103 mm (97-109)	42 mm (39-50)	10 mm (9-11)	12 mm (9-15)	41 mm (39-44)	7 mm (4-8)	299 MM (281-312)	9.0 g. (5.8-12.4)