1996 SPRING COMPENDIUM OF WILDLIFE APPRECIATION

SOLORANGE SERVICE

Colorado's Wildlife Company

California myotis

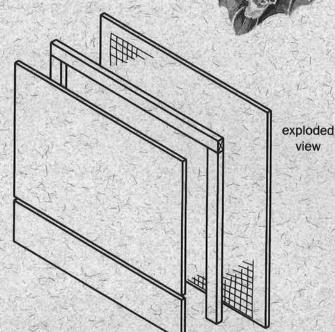
THE GOOD GUYS

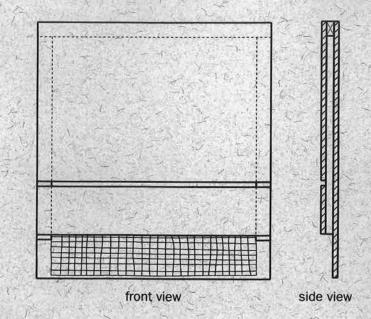
Build A Better Bat House!

SMALL ECONOMY BAT HOUSE

Materials Needed

- 2' by 4' sheet cdx (outdoor grade) plywood
- 8-foot 1" by 2" furring strip
- 20" by 22 1/2" piece of 1/8" mesh hdpe (plastic) netting. Do NOT use metal window screening.
- 30-40 1 1/4" multipurpose (drywall) screws
- 5/16" staples
- 1 tube acrylic caulk
- 1 pint exterior latex paint







Bat Conservation International

These plans are provided courtesy of Bat Conservation International, a non-profit organization dedicated to bat conservation, bat research and public education. Founded in 1982, BCI works to transform public perceptions about

bats, protect threatened and endangered bats and preserve valuable ecosystems.

To obtain information and membership information contact Bat Conservation
International, P.O. Box 162603, Austin, TX 78716, 1-800-538-BATS (2287)

DIRECTIONS

- 1. Measure and cut plywood into three pieces: 26.5" by 24" (back); 16.5" by 24" (front-top); 5" by 24" (front-bottom)
- 2. Measure and cut furring strip into one 24" length and two 20 1/4" lengths
- 3. Screw back to furring strips, caulking first, placing 24" piece first along top, and shorter lengths along sides. Leave bottom open.
- 4. Staple the netting to inside surface

- of back (between furring strips), starting at the bottom. Be sure netting lies flat (curve down) and does not pucker.
- 5. Screw front panels to furring strips, starting with top piece and caulking first. Leave a 1/2" vent space between top and bottom panels.
- **6.** Caulk around outside joints if needed to seal roosting chamber.
- 7. Attach a 4" by 28" board to the top as a roof, if desired.

8. Paint exterior with at least two coats (preferably brown).

Mount the finished house at least 12 feet from the ground, on a pole, wall or tree with a south-facing exposure where it will get six or more hours of direct sun. Bats will only use the house in the summer and can tolerate temperatures as high as 110. For further information and other bat house options, consult *The Bat House Builder's Handbook*, available from Bat Conservation International.

COLORADO BAT SPECIES

- Little brown bat- Myotis lucifugus
- · Yuma myotis Myotis yumanensis
- · Long-eared myotis Myotis evotis
- Fringed myotis Myotis thysanodes
- · Long-legged myotis Myotis volans
- California myotis Myotis californicus
- Small-footed myotis Myotis ciliolabrum Silver-haired bat - Lasionycteris noctvagans
- Western pipistrelle Pipistrellus hesperus
- · Eastern pipistrelle Pipistrellus subflavus
- Big brown bat Eptesicus fuscus
 Hoary bat Lasiurus cinereus
 Red bat Lasiurus borealis
- Townsend's big-eared bat Plecotus townsendii Spotted bat - Euderma maculatum Pallid bat - Antozous pallidus
- Brazilian or mexican free-tailed bat Tadarida brasiliensis
 Big free-tailed bat Nyctinomops macrotis

• indicates bats utilizing mines to some degree. See DOW working for Wildlife, back page

Who's Living In Your Bat House?

You can help conserve these remarkable and vulnerable animals by joining BCI's North American Bat House Research Project. By sharing information on the bats using your bat house you can make an important contribution to our understanding of the needs of bats, while sharing in the excitement of scientific discovery. Contact BCI to join.



DOW WORKING FOR WILDLIFE

The Bats/Inactive Mines Project

As development and human activity in Colorado destroy habitat for bats, these small flying mammals take advantage of habitat created by humans — old mines. Some mines offer constant temperature and humidity and freedom from disturbance for roosting and

hibernating bats.

But while some abandoned mines offer refuge for bats, they can be very hazardous for humans, who might fall into hidden mines or enter unstable tunnels. Approximately 400 mines are scheduled for closure annually as safety hazards by the Division of Minerals and Geology of the Colorado Department of Natural Resources. Typical closure methods involve sealing the opening with concrete or rock and/or backfilling and blasting the mine.

This process renders mines safe for humans but is disastrous for bats, either burying them alive or sealing them out of essential habitat.

The solution lies in the Bats/ Inactive Mines Project. Each spring and summer, teams of

Colorado Division of Wildlife volunteers hike to the sites of mines scheduled for closure. Without entering the potentially dangerous mines (safety training is required before participating in any surveys), the volunteers survey for bat activity by using bat detectors-instruments that translate a bat's ultrasonic cries into frequencies audible to people. Waiting at the mine entrance in the evening, the surveyors detect bats leaving the mine for their evening hunt. Mines found to have active bat populations are sealed with "bat

gates" (a grid of steel bars or angle iron) instead of solid closures. The gates allow bats to enter and leave the mines without permitting human access.

To date, of nearly 700 mines surveyed, 70 have been recommended for fitting with bat gates, thus protecting valuable habitat for bats. If you would like to volunteer for the program, contact Tom Ingersoll, Bats/Inactive Mines Project Coordinator, 303-291-7501, 6060 Broadway, Denver, CO 80216.

LETTER TO THE EDITOR

Reader Carol Buchanan expressed concern over a statement in our winter 1995 issue DOW Working For Wildlife article Furbearer Management Plan—"trapping strictly for the sale of furs or for recreation has been eliminated." She felt it left the impression that "all trapping is focused on animal damage management."

The intent of the Furbearer Management Plan is to focus trapping on animal damage management, but it does not preclude the sale of furs. The plan means to eliminate trapping for which the primary or sole intent is recreation or the sale of furs.

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