

US FOREST SERVICE

Wildlife Biologist Overview



**THREATENED,
ENDANGERED, &
SENSITIVE
SPECIES
CONSERVATION**

Raptors

Bats

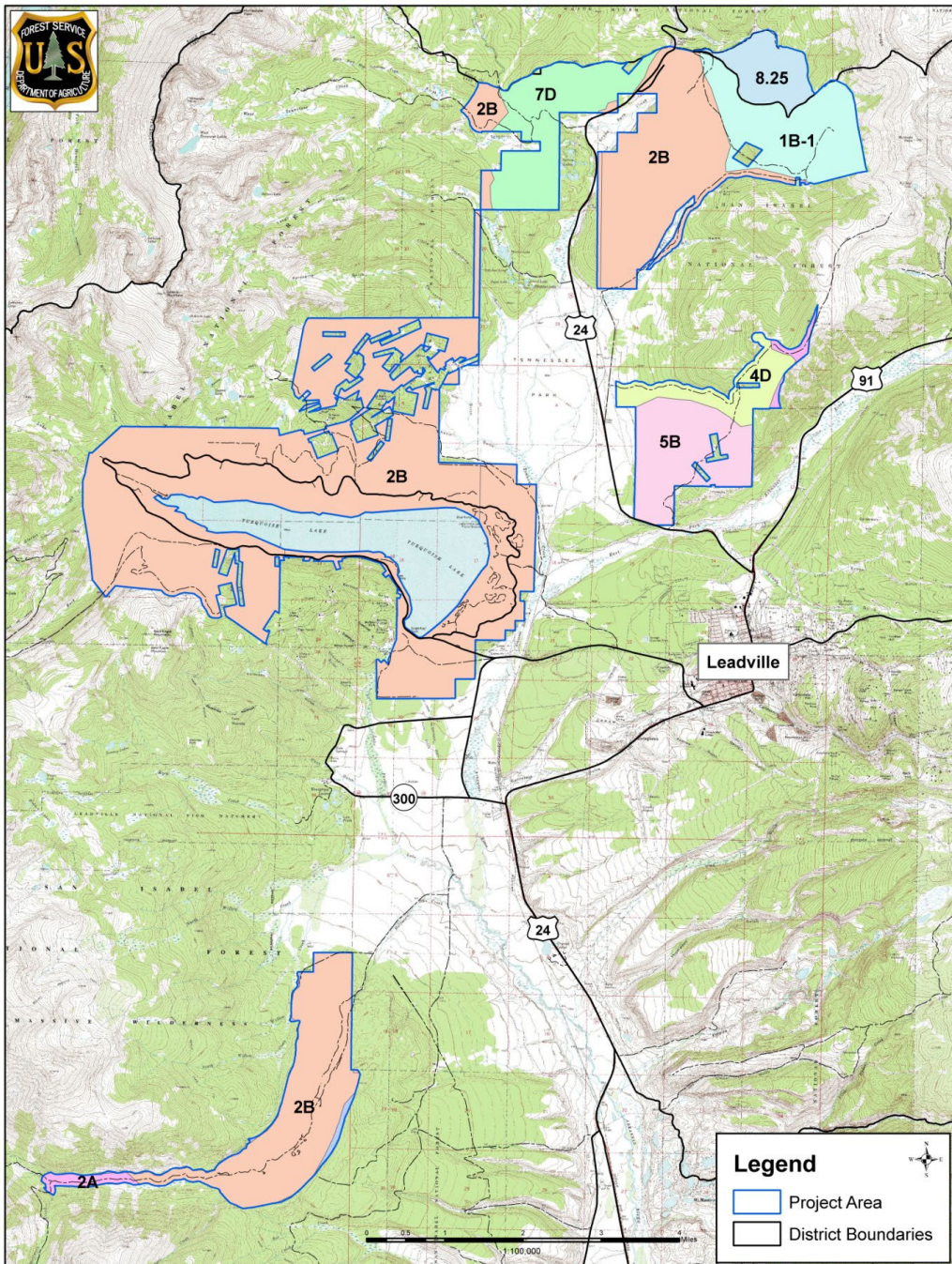
Amphibians

Big Game

Lynx

**SAN ISABEL NATIONAL FOREST
WILDLIFE OBSERVATION REPORT**

Entered in Fauna _____



Observer Name(s): _____ Occupation: _____
1- biologist, 2- FS employee, 3- forest worker, 4- recreationist, 5- other

Recorder Name: _____

Observer Qualifications (circle one): Expert, Experienced, Limited Experience, No Experience, Unknown

Date: _____ Time: _____ Forest Service District: _____

Species: _____
(Refer to list of species on back)

Animal seen, Heard, Track, Scat, Nest, Den, Other (list) _____
(circle one)

Activity: Feeding, Resting, Traveling, Flying, Other _____

Group Type: Single, Pair, Family Group, Group, Unknown
(circle one)

Number observed (enter # in appropriate box(es) below):

| | Male | Female | Unknown |
|---------------|------|--------|---------|
| Adult | | | |
| Subadult | | | |
| Young of year | | | |
| Unknown | | | |

Quick sketch map of location (If needed, include landmarks, section lines, road numbers, etc.)

Location: _____

T _____ S, R _____ W, Sec _____, 1/4 _____, 1/4 1/4 _____

UTM (preferred): _____

Habitat Code: _____ (see list on back)

For visual observations:
 Distance to Animal: _____ Length of Observation: _____

Comments, including habitat description: _____

Species Identification: Positive, Probable, Not certain

Precision of location (choose one):
 Exact, <100 meters, 1/4 mile, 1/2 mile, 1 mile, 2 miles, 5+ miles







02/15/2017 14:30





SEASONAL CLOSURE

CLOSED TO ALL MOTORIZED VEHICLES

December 1- June 1

This seasonal closure helps reduce stress to deer and elk during winter and reproduction times. We appreciate the public's cooperation in helping increase their survival rates.



BOREAL TOADS



Boreal toad pathogen sampling
(PCR assay for *Batrachochytrium dendrobatidis*)

Site: _____ County: _____

Observers: _____ Sampling date: _____

Instructions: On capture, place each toad in individual container. Handle each toad with fresh disposable gloves. Collect PCR sample before doing any other procedure with toad. For toads > 2 cm SV, stroke cotton swab 20 times on ventral surface, 5 times on rear feet and webbing (25 times on ventral for toads <2 cm SV). Place swab, cotton tip down, into tube. Cap tube and place label with corresponding sample number (SiteCode-Year-VialNumber) on outside of tube. Sex: M = Male, F = Female, J = Juvenile, and YOY = Young-of-Year (metamorph). SV = snout to vent measurement. **Data columns for "PIT tag #" and "Return" required only for PIT-tagged populations.**

| Sample number | Sex MF/J/YOY | SV (mm) | Mass (g) | PIT tag # | Return? | Comments |
|---------------|--------------|---------|----------|-----------|---------|----------|
| -20-01 | | | | | | |
| -20-02 | | | | | | |
| -20-03 | | | | | | |
| -20-04 | | | | | | |
| -20-05 | | | | | | |
| -20-06 | | | | | | |
| -20-07 | | | | | | |
| -20-08 | | | | | | |
| -20-09 | | | | | | |
| -20-10 | | | | | | |
| -20-11 | | | | | | |
| -20-12 | | | | | | |
| -20-13 | | | | | | |
| -20-14 | | | | | | |
| -20-15 | | | | | | |
| -20-16 | | | | | | |
| -20-17 | | | | | | |
| -20-18 | | | | | | |
| -20-19 | | | | | | |
| -20-20 | | | | | | |







CANADA
LYNX




ArcGIS Survey123

Lynx Habitat Quantitative Assessment Form

Observer(s): _____ Date: _____

Forest: _____ District: _____ Project Name: _____

Unit #: _____ Snow depth: _____ in or _____ cm

Plot Number: _____ Camera: _____

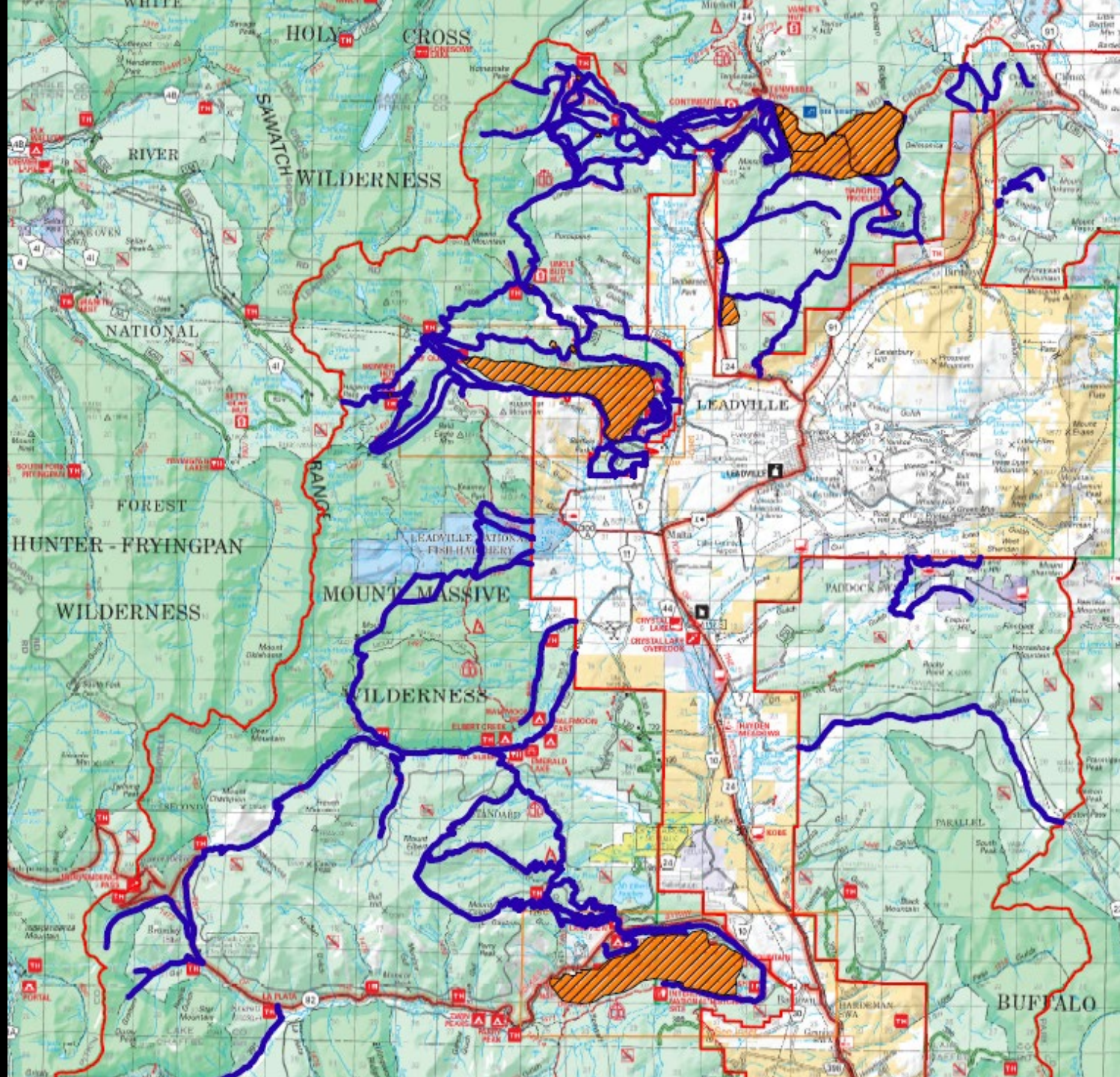
Stand Photo #s: _____ Cover board size (circle one): 2 m or 6 ft

COVER BOARD MEASUREMENTS

| NORTH | | | | EAST | | | |
|--------------------|---------|--------|---------|--------------------|---------|--------|---------|
| Board # | Section | %Cover | Photo# | Board # | Section | %Cover | Photo# |
| 1 (0 - 2.0 m) | B | | | 1 (0 - 2.0 m) | B | | |
| | MB | | | | MB | | |
| | MT | | % Slope | | MT | | % Slope |
| | T | | | | T | | |
| 2 (2.0 - 4.0 m) | B | | | 2 (2.0 - 4.0 m) | B | | |
| | MB | | | | MB | | |
| | MT | | | | MT | | |
| | T | | | | T | | |

| SOUTH | | | | WEST | | | |
|--------------------|---------|--------|---------|--------------------|---------|--------|---------|
| Board # | Section | %Cover | Photo# | Board # | Section | %Cover | Photo# |
| 1 (0 - 2.0 m) | B | | | 1 (0 - 2.0 m) | B | | |
| | MB | | | | MB | | |
| | MT | | % Slope | | MT | | % Slope |
| | T | | | | T | | |
| 2 (2.0 - 4.0 m) | B | | | 2 (2.0 - 4.0 m) | B | | |
| | MB | | | | MB | | |
| | MT | | | | MT | | |
| | T | | | | T | | |

Comments: _____



BAT FACTS

200+

BATS SPECIES ARE CONSIDERED THREATENED BY THE IUCN

67

PLANT FAMILIES RELY ON BATS AS THEIR MAJOR OR EXCLUSIVE POLLINATORS

\$23B

AND MORE, IN AGRICULTURAL AND HUMAN HEALTH SAVINGS FOR THE PLANET EVERY YEAR

3000+

SPECIES OF PLANTS RELY ON BATS FOR SEED DISPERSAL, INCLUDING PIONEER PLANT SPECIES

BATS





Hoary Bat Echolocation Frequency low 19 kHz/ high 26 kHz

Lasiurus cinereus
Common name: Hoary bat
Family: Vespertilionidae
Genus: *Lasiurus*
Species: *cinereus*

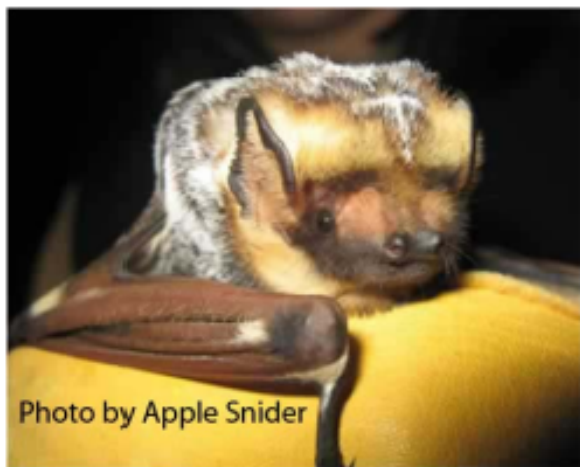
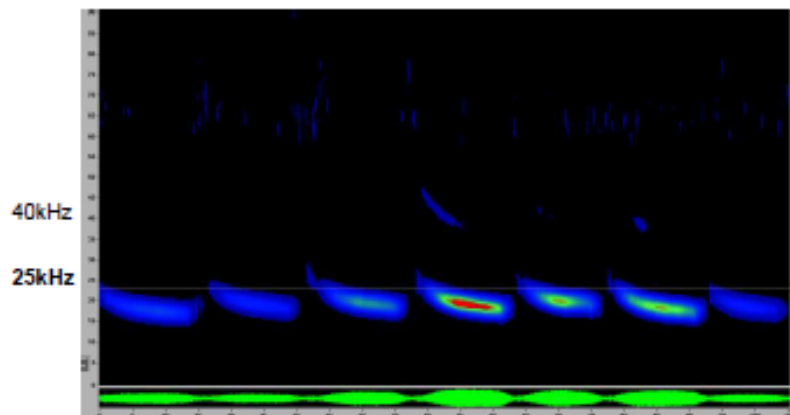
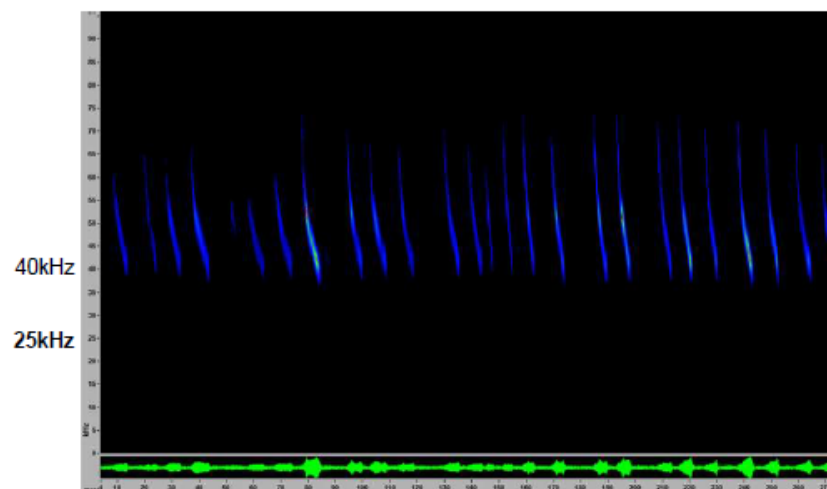


Photo by Apple Snider



Little Brown Bat Echolocation Frequency low 38kHz/ high 74 kHz

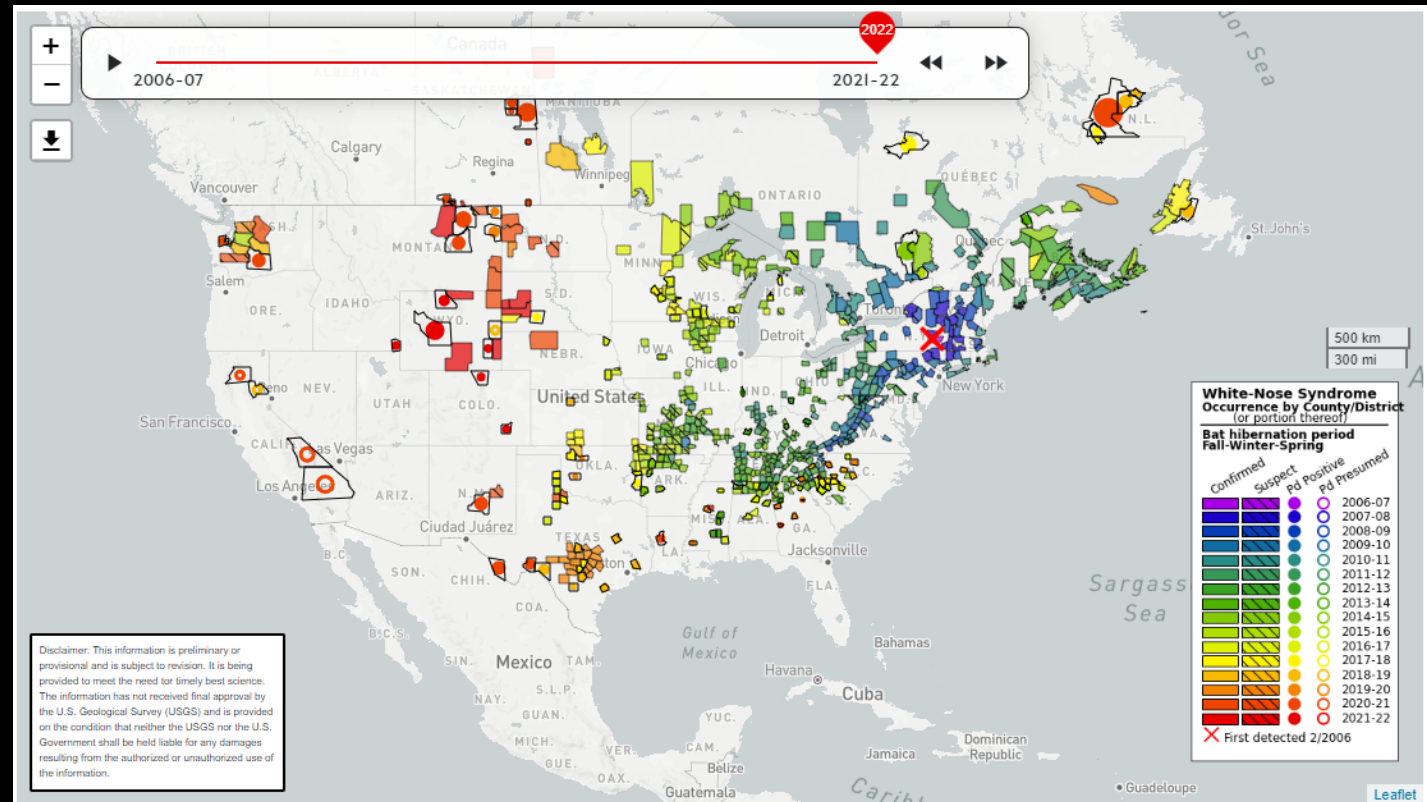
Myotis lucifugus
Common name: little brown bat
Family: Vespertilionidae
Genus: *Myotis*
Species: *lucifugus*

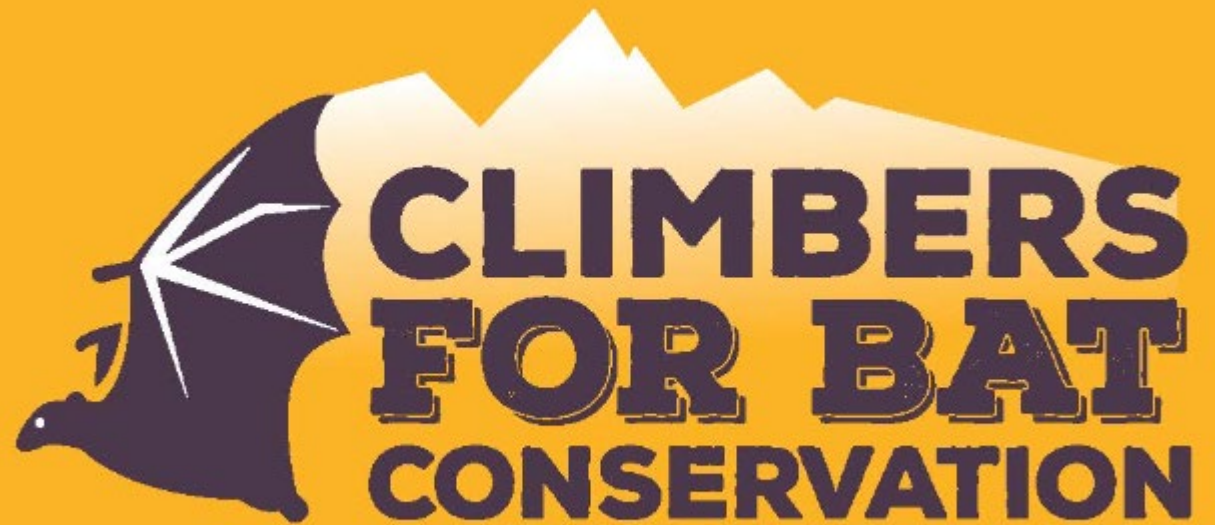


WHITE NOSE SYNDROME - BATS



A little brown bat with white-nose syndrome. Credit: Marvin Moriarty/USFWS







QUESTIONS?