Get to Know the Faces of Bat Week

October 3, 2019

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BATWEEK

















PHILADELPHIA Zara

AMERICA'S FIRST ZOO







- October 24-31, 2019
- North America—and beyond
- Celebrate, Educate and take actions to Protect









Today's webinar:

- You'll get resources for YOUR Bat Week event
 - Updated website: batweek.org
 - Why Bats Matter 🖻
- You'll get to know the Faces of Bat Week
 - Spotlight on threatened species
 - Work that's being done to help bats
 - How you can help



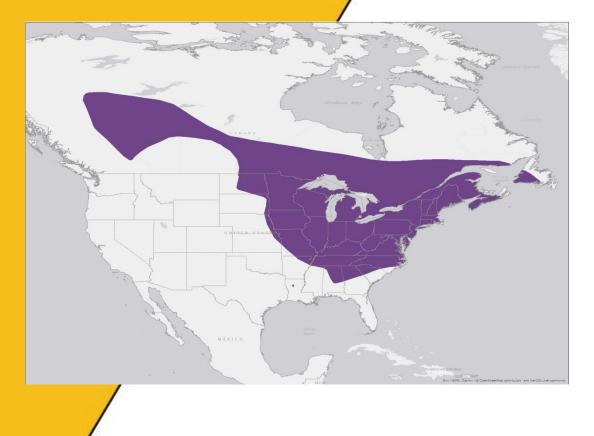
Northern Long-Eared Bat

- Catch insects both in flight and by picking them off plants
- Nicknamed "whispering bats"
- Wing shape allows them to navigate easily through dense forests
- For hibernation, they increase their body weight by 45%



Northern Long-Eared Bat

- Found throughout most of eastern US and southern Canada
- Listed as threatened in US and endangered in Canada
- Threats include white-nose syndrome, hibernacula disturbance, loss of summer roosting habitat, and wind farms



White-nose syndrome

- Fungal disease affecting hibernating bats in North America
- Confirmed in 12 North American bat species
- Confirmed in 33 states and 7 Canadian provinces
- 6.7 million bats dead in 2011, more recent estimates are pending
- Research and management:

treatment & mitigating other threats





Information on Threats to Bats

- White Nose Syndrome Response Team 🖻
- U.S. Forest Service- threats to bats 🖻
- Bat Conservation International: threats to bats
- The Canadian Wildlife Health Cooperative: bats 🖻
- Fight White Nose Syndrome 🖻





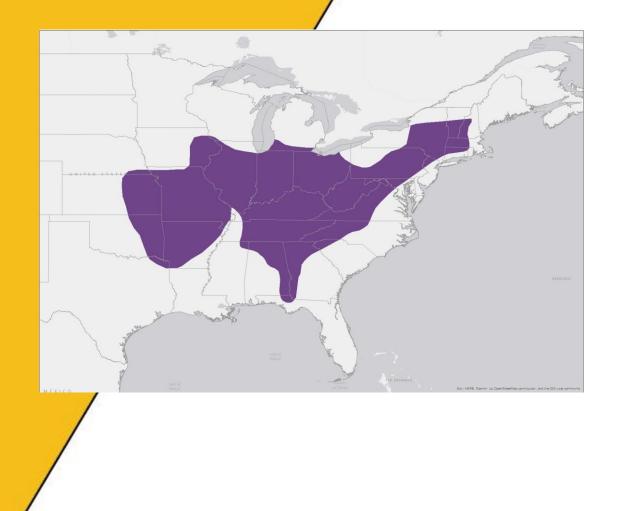
Indiana Bat

- Small, highly social, insectivorous bat weigh about the same as 3 pennies
- In winter, hibernate in caves and abandoned mines and form clusters of up to 500 bats/sq. foot!
- Covia's Magazine Mine, an abandoned silica mine, in IL, is home to nearly 70,000 Indiana bats.
- Largest known hibernaculum, an abandoned limestone mine in Hannibal, MO, has over 180,000 Indiana bats!
- In summer, roost under loose bark of dead trees (snags) and live shagbark hickories
- Females form groups of 50 to >400 individuals called maternity colonies and give birth to just 1 pup each year



Indiana Bat

- Found throughout much of eastern US
- Called "Indiana" bat because specimens collected at Wyandotte Cave in Indiana lead to its discovery as a new species in 1928
- Among the first species listed under the Endangered Species Act and remains endangered today
- Threats include WNS, hibernacula disturbance, loss of summer roosting habitat, pesticide exposure, wind farms and climate change



Indiana Bat

- USFWS' **mission** is, working with others, to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people.
- We help recover federally listed bats by funding research, protecting important habitats (e.g., caves and mines), developing protective species-specific guidelines, reviewing federal projects, and tracking bat populations

- 🔸 Indiana Page (USFWS) 🛃
- USFWS Index of Endangered Mammals
- USFWS IBat web page 🖻



Get active for bats!

- From batweek.org
- Checklist to Host a Bat Week Event 🖻
- Take an Urban Bat Walk 🖻
- Building Bat Houses 🖻
- Hosting a Bat Rehabilitation Workshop Implication
- Become a Bat Advocate 🖻
- North American Bat Tracker 🖻







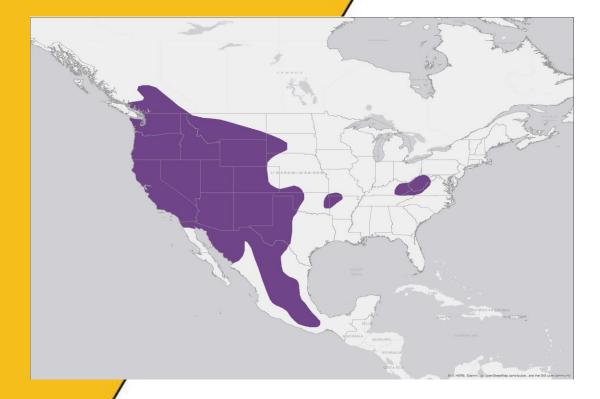
Townsend's Big-Eared Bat

- Charismatic species with marvelously large ears and prominent nose lumps
- Nicknamed "ram-eared bats"
- Use "stealth echolocation" like sonar jamming, low-intensity echolocation calls, and evasive maneuvers to outsmart their prey

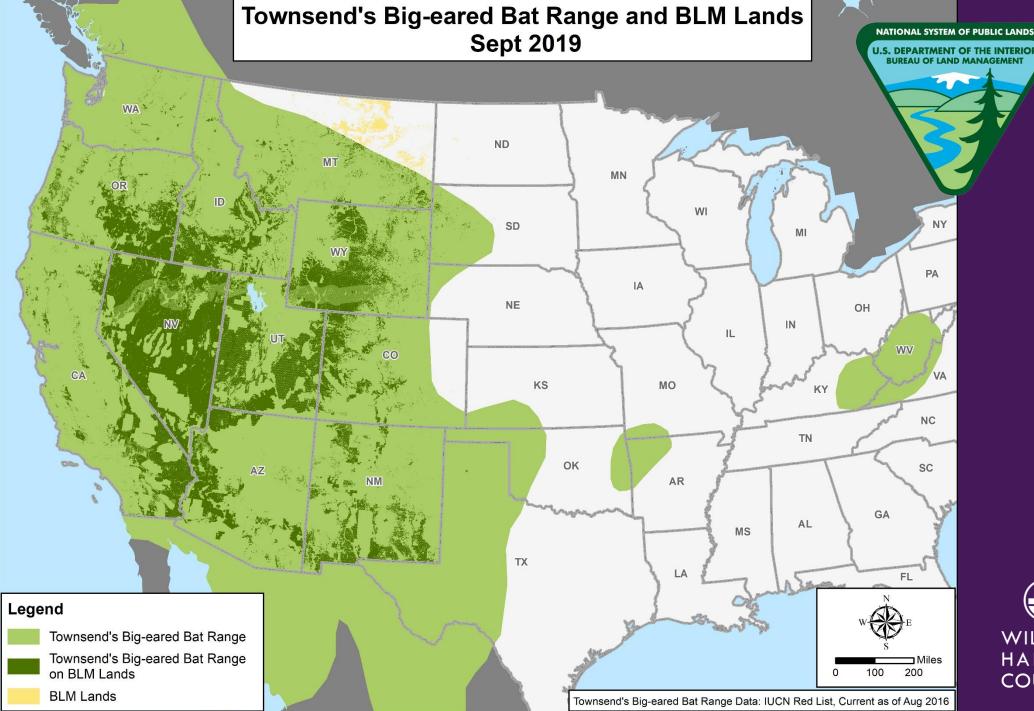


Townsend's Big-Eared Bat

- Primarily found in western North America with 2 isolated subspecies populations
- Two subspecies are listed as endangered in the US:
 - Virginia big-eared bat in central Appalachia
 - Ozark big-eared bat in Ozark region
- Threats include ecosystem conversion and degradation, and disturbance/destruction of roost sites



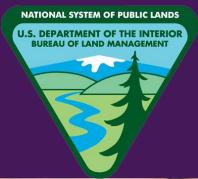
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Townsend's Big-Eared Bat

- Townsend's Big-Eared Bat range covers most of the BLMmanaged public lands in the lower 48 states.
- BLM public lands are home to a variety of Townsend's Big-Eared Bat habitat from rocky crevices and caves, to tree cavities, and abandoned mine lands.
- The BLM works with state wildlife agencies, state natural heritage programs, other federal agencies, tribes, and organizations like Bat Conservation International on conserving bat habitat on our public lands.
- The BLM inventories and monitors Townsend's Big-Eared Bats and other bat populations on public lands in U.S., and is a partner in the North American Bat Monitoring Program (NABat).

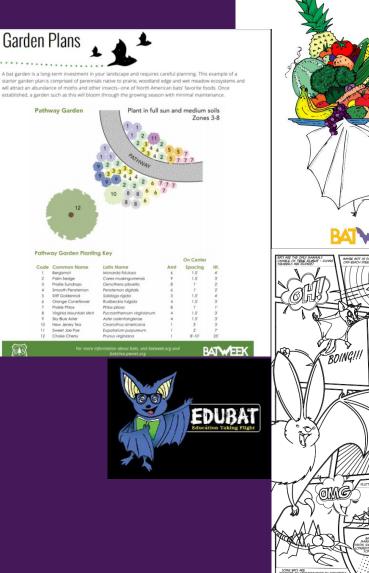






Bat Education for all ages...

- Project Edubat Trunk 🖻
- Project Edubat Webinar 🖻
- Bat Hero Coloring Page 🔄
- Gardening for Bats 🔄 🖻
- Natural History of Bats 🖻
- Bat Week Cook Book 🖻



Celebrating Bats!

A Cookbook of Goodies & Treats Made with Bat-Dependent Ingredients



Mexican Long-nosed Bat

- Largest nectar-eating bat species in the Americas
- Feeds on nectar, pollen, and fruits of flowering desert species, primarily Agave
- Has a long tongue about the same length as its entire body, used to access nectar deep within desert flowers
- Can hover like a hummingbird to feed on nectar



Mexican Long-nosed Bat

- Migratory primarily live in Mexico and are only found north of the border from June - August
- Listed as endangered in both the US and Mexico
- Threats include loss of food resources like agave, loss and disturbance of roosting sites, and climate change





Bats: A World-wide Treasure



Speak up for the Bats

- Use **#BatWeek** on all your posts on Facebook, Twitter, and Instagram
- Follow @Bat_Week on Twitter and @BatWeek on Facebook
 - Join the Tweet storm Wednesday, 10/30/19, at 1PM ET
- Get more ideas at batweek.org





Florida Bonneted Bat

- Roost in pine and palm tree cavities, beneath barrel tile roofs, and in bat houses
- Largest bat species in Florida, about the size of a chipmunk
- Like many bats they feed on pest insects, protecting our crops and reducing need for pesticide use
- Usually give birth to only 1 pup each year



Florida Bonneted Bat

- Found only in south Florida
- Listed as endangered in the US
- Threatened primarily by habitat loss and degradation, especially destruction of natural roost sites and hurricane damage



How Can You Help Bats?

- Plant native vegetation that supports food resources
- Plant native roost trees
- Leave dead/dying trees standing where safe
- Protect roosting sites and hibernacula
- Take part in citizen science to document bats
- Reduce pesticide use
- Participate in and spread the word about Bat Week!

Get the Bat Stories

Bat Week spotlight species may be downloaded through the handouts feature in the control box to the right.





Fun Facts

They are called "whispe

bats" because they can

echolocate very quietly to

normal echolocation calls.

For hibernation, northern long-

eared bats increase their body weight

sneak up on insects that can hea

WILDLIFE

HABITAT

BATWEEK

Meet The Faces of Bat Week/Q/A

Thelma Redick, Wildlife Habitat Council Mylea Bayless, Bat Conservation International Andrew King, US Fish and Wildlife Service Dennis Krusac, US Forest Service Frank Quamen, US Bureau of Land Management Jordi Segers, Canadian Wildlife Health Cooperative Kim Winter, US Forest Service





"The wildlife and its habitat cannot speak, so we must and we will" -*Theodore Roosevelt*

Use #BatWeek on all your posts on 子 💟 🧿

Follow @Bat_Week on У and @BatWeek 子

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