

U.S. Fish and Wildlife Service



Our Mission: Working with others to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people

Indiana Bat Mist Net Surveys

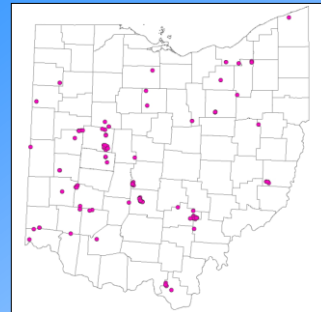
	2012	2011	2010	2009
Pipelines/oil and gas (mostly pipelines)	91	2	3	1
Coal Mining	17	35	13	21
Wind Projects	7	9	8	6
Development Projects	9	12	9	11
ODOT/FHWA	4	5	0	0
Other (bases, parks, USFS, ALB, transmission lines)	12	3	6	6
Total	140	66	39	45

2012 Indiana Bat Summer Captures

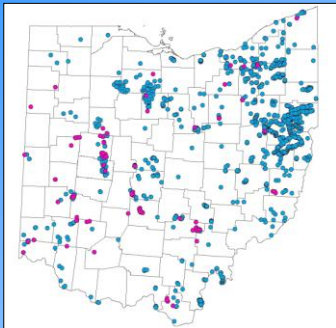
- 2012 – 33 (32 females, 1 male)
- 17 at previously known locations (8 @ Logan Co. proposed wind site and 9 @ WPAFB)
- 14 at a new Shelby Co. proposed wind site
- 1 (male) at Van Wert Co. proposed wind site
- 1 Carroll Co. pipeline site*

*Genetics testing on guano inconclusive

Summer Indiana Bat Records



Indiana Bat Summer Survey Sites



Listing Petition

- In January 2010, USFWS received a petition from CBD to list northern long-eared and eastern small-footed bats under the ESA.
- In June 2011, USFWS made 90-day "substantial" petition finding, which triggers a more thorough review known as a 12-month petition review. Looking at all threats, not just WNS.
- **By September 30, 2013, for each species, the USFWS will either issue a:**
 - Not-warranted 12-month finding (no listing proposed)
 - or
 - Proposed rule to list as either E or T with proposed Critical Habitat

Northern Long-eared Bat

- Ranges across most of the eastern, central, and small portions of western North America (38 states prior to WNS)
- Documented at over 600 hibernacula
- Experience a sharp decline in the NE part of its range, ~99% (from hibernacula data from 8 states) due to WNS
- Where WNS not present yet, populations have remained stable
- It is predicted that WNS will continue to spread; therefore we would expect similar rates of decline throughout the range

Eastern Small-footed Bat

- Range limited to eastern U.S. and SE Canada (26 states)
- Documented at 280 hibernacula, 86 (31%) are confirmed infected with WNS
- Susceptible to WNS
- 12.7% decline at select sites, but is this meaningful?

Non-petitioned Status Review

- December 2010, Boston University's Center for Ecology and Conservation Biology submitted a Status Review of the little brown bat to the USFWS.
- USFWS is conducting a thorough review of the status of the species to determine if listing is warranted.
 - Data call last spring for eastern US
 - Data can still be submitted to karl_tinsley@fws.gov
 - Looking at all threats, not just WNS
 - Data call out now for the western US. WNS model for western population is under development

White-nose Syndrome

- WNS confirmed in 2 new states in 2012
 - Alabama and Missouri
- WNS confirmed in gray bats from 2 TN locations. No mortality, we do not know how/if gray bats will be affected by WNS
- Revised decon protocol released in June 2012

White-nose Syndrome

