00:17 - Rita Crocker
    Hi Shea!

00:24 - Donna Tolliver (Sutherland)
    Hi, all Virginia Master Naturalists and NWF members and everyone!

01:27 - Jody Ullmann
    Hello fellow VA master Naturalist! I'm from Tidewater Chapter. What Chapter are you from?

01:43 - Michael 1
    Hi from Dallas. North Texas Master Naturalists Michael and Jeanne

01:48 - kelliarmes
    Pocahants Chapter (Chesterfield County, VA)

02:05 - Angelika Fuller (Thrall)
    TX Master Naturalist here! Williamson County Chapter

02:08 - Donna Tolliver (Sutherland)
    Pocahontas VA

02:11 - Milu Karp
    should we be seeing you?

02:39 - John Black (Browns Mills)
    NJ Master Naturalist here

02:47 - Lisa Ann Green #2
    Hello from New Mexico!

02:50 - Kristy Liercke
    The Fairfax Chapter of the Virginia Master Naturalists is also represented!

02:50 - Rita Crocker
    Milu, you should only hear live audio, the presentation will probably be on the slides.

02:58 - mswick@dnr.in.gov
    Hello Everyone! Michelle Swick, Naturalist from Raccoon State Recreation Area, Rockville, IN

03:11 - Kristy Liercke
    The Audubon Society of Northern Virginia is also represented

03:11 - Milu Karp
    wonderful thanks...I can hear perfectly

03:14 - Gabriela Arnold Sparta
    Hello thank you ahead of time for all the info

03:54 - lindjoy23
    penn state master gardener of crawford county pa

04:03 - Michael 1
    sorry, missed where the X is...

04:21 - Rita Crocker
Michael-up under your name

04:27 - **Marcia Alvarez**
what happens to those of us using a microphone instead of a telephone

04:38 - **Annie Kassler**
Annie Kassler...Camden Maine

05:41 - **Gabriela Arnold Sparta**
this is fun

05:57 - **Lisa Ann Green #2**
who is the other one in New Mexico?

06:46 - **Becky Kerr (Aztec)**
Becky Kerr from NM

06:57 - **Lisa Ann Green #2**
Hi Lisa Ann in Farmington

07:29 - **Becky Kerr (Aztec)**
We need to meet

07:51 - **Pella Wildlife Company**
This is Kimi Evans, Kristie Burns, Travis, Sam, Kristi, Nikki, Jaimie, Kim, Kristina and Kevin from Pella Wildlife Company in Iowa

08:05 - **George Jefferson 2**
George Jefferson Va Master Naturalist and the Assistant Ranger at Hanging Rock State Park in Danbury NC

08:10 - **Gabriela Arnold Sparta**
someone from northern NJ

08:32 - **John Black (Browns Mills)**
I am a US FWS volunteer

08:46 - **Lillian Ledford**
Blandy Farm, Boyce Virginia!

09:34 - **Pat Herrera**
Riverine Master Naturalist Chapters Participants - Sally S. Dixie H. Suzanne H. and Pat H. signing in.

09:39 - **Sheri Cooper**
I love the arboretum!

09:45 - **Michael 1**
rare puppy bat.....

09:48 - **Lillian Ledford**
Thanks Sheri, me too!

10:02 - **Rita Crocker**
sounds like someone wants some attention!

10:05 - **Sheri Cooper**
We try to get over there at least once a season
10:29 - Pat Herrera  
Hi Nancy B.

10:55 - Lisa Ann Green #2  
Becky send me your email address in the private chat

11:03 - Rita Crocker  
I’ve already signed up my summer school classes!

11:06 - Eliza Russell (NWF)  
So my best bat story... waking up with a bat on my pillow next to my head... just hanging out. It was fun

11:17 - Eliza Russell (NWF)  
:)

11:19 - Lisa Ann Green #2  
aaaaaaaaaaaa

11:26 - Becky Kerr (Aztec)  
I do not know how to do that

11:49 - Lisa Ann Green #2  
double click on my name in participants

12:33 - Rose Norris  
Are there any other NRV Master Naturalists?

12:57 - George Jefferson 2  
New River Chapter VMN

13:49 - Eliza Russell (NWF)  
Wow.. that is alot of bats

14:01 - Eliza Russell (NWF)  
What bats live near you

14:23 - Angelika Fuller (Thrall)  
Mexican free-tail

14:33 - George Jefferson 2  
little brown and indiana

14:59 - John Black (Browns Mills)  
Little brown and big brown bats

15:09 - kelliarmes  
so bats don’t carry rabies like people say all the time?

15:17 - Lillian_Ledford  
They’re mammals, so they can.

15:25 - ann froschauer 3  
only about 1/2 of 1% of bats carry rabies

15:47 - kelliarmes  
thanks! that is pretty low

16:00 - Lillian_Ledford
Little and big browns, northern long eared, virginia big eared...

16:10 - Eliza Russell (NWF)  
   Eat the stink bugs would be nice form my house

16:27 - ann froschauer 3  
   it's no more than raccoons, foxes, skunks or possums.

16:54 - James (Soudan)  
   Where can we get that list of plants?

17:11 - SheaStaten@yahoo.com  
   Rafinesque's big-eared bats, Southeastern Myotis, Eastern Red Bats, Evening Bats, Tri Colored Bats,... 15 species have been documented in MS

17:17 - Gretchen Nareff  
   I'm an ornithologist and really interested in getting involved with bats. If anyone can recommend how to do that, please private chat me. Thanks!

17:18 - Apple Snider  
   sometimes you may see higher rates of rabies-infected bats reported--that's typically because the records are coming from the Dept of Health where sick bats are sent for testing

17:44 - Apple Snider  
   but like Ann wrote, only about 1/2 of 1% of wild bats carry the rabies virus

17:45 - brc  
   Moderator--is there a dial in number too, the audio on our streaming is a mess. THanks!

17:47 - Lillian_Ledford  
   I wonder if they'll get into Bacardi Rum's relationship with bats...

17:49 - Eliza Russell (NWF)  
   James - Soudan - this is being record but also on Batcon.org

18:14 - Eliza Russell (NWF)  
   1-800-791-2345 x69033 is the call in

18:22 - Gabriela Arnold Sparta  
   what happened to the bats in NJ?

18:50 - Sandy Frost #2  
   Ann Froschauer will talk about bats in the NE!

18:51 - John Black (Browns Mills)  
   weather and habitat loss for bats in NJ

19:01 - Gabriela Arnold Sparta  
   For the past 2 years I haven't seeing any here in Sparta and we had a lot

19:14 - Gabriela Arnold Sparta  
   tx

19:16 - John Black (Browns Mills)  
   I have seen 4 so far this year

19:53 - John Black (Browns Mills)  
   we had one hanging out at the Edwin B Forsythe NWR for a few weeks
20:13 - **ann froschauer 3**  
Many bats in the Northeast have died from a disease called white-nose syndrome. I will discuss this in a little while, like Sandy said.

20:18 - **Rita Crocker**  
brc, if you have more than one ‘window’ open (something that I have done when my computer was not fast enough and I ‘clicked’ too much)-anyway, try to close some of the extra windows and the ‘echo’ goes away.

20:18 - **Gabriela Arnold Sparta**  
not me I hope to see some we will need them this summer

20:37 - **Christine Macchia**  
(m)I'm a Master Naturalist from Virginia Beach, up in CT now(m)(m)

20:55 - **John Black (Browns Mills)**  
looks like bracken

21:20 - **Gabriela Arnold Sparta**  
great pictures

21:24 - **CINDY LOOS**  
wonderful place to see the bats!

21:28 - **Janet Bearden, Haywood, VA**  
Anyone else not getting slides? Have seen only 3.

22:00 - **Pat Herrera**  
Thank you :) 

22:01 - **Gabriela Arnold Sparta**  
good job James

22:05 - **Kristy Liercke**  
I'm seeling the slides, Janet.

22:10 - **Leigh Ann Reynolds In (Waterville Valley)**  
:) Thanks!

22:23 - **Gabriela Arnold Sparta**  
Are those your pictures James?

22:24 - **Michael 1**  
we're convinced! hope you'll talk about how to attract them in suburbia

22:28 - **mswick@dnr.in.gov**  
Great Job James!

22:33 - **Sharon #2**  
Great info! Thank you.

22:34 - **Michael 1**  
Thanks james

22:39 - **SheaStaten@yahoo.com**  
Thanks James

22:47 - **Jamie Saunders**
Been a member of BCI for nearly 20 years. Hope to work as a bat conservationist someday. :) 

22:47 - *lindjoy23*
will this info be available on a handout later 

22:48 - **John Black (Browns Mills)**
Thanks for the info James 

22:55 - **Rose Norris**
someone asked about how to get the plant list 

22:56 - **Leah Pellegrino**
Will the slides from tonight be posted for future reference? 

23:00 - **John Payne Lithia Springs Georgia**
What do bats pollinate around the Atlanta Ga area 

23:00 - **wisericardthere@msn.com**
Love the photos!! 

23:17 - *kelliarmes*
the site is great!!! thanks I am gonna read all of this to learn more!!! 

23:20 - **Michael 1**
Thanks for that answer 

23:25 - **Michael 1**
will look! 

23:28 - **Gabriela Arnold Sparta**
I am sorry James did you say that info is in your web 

23:31 - **CINDY LOOS**
how long do bats typically live? 

23:41 - **Joan Phegley**
hello...sorry, just joining late. 

24:11 - **Christa Haverly**
looks like those pics are all available on the batcon website 

24:36 - **Christina Matone**
do bats live in queens, new york 

24:56 - **Liane**
I have participated in bat surveys at the Lake Wales State Forest in Florida with sonar reading machines...do you have listings of other surveys? 

25:00 - **Gabriela Arnold Sparta**
do you encourage people to have bats as pets? 

25:00 - **Rita Crocker**
Wow! I had no idea they lived so long! 

25:09 - **Marcia Alvarez**
what natural enemies do bats have? 

25:32 - **John Payne Lithia Springs Georgia**
What is the gestation period for bats. How many offspring from each bat

25:41 - Janet Bearden, Haywood, VA
Can you talk about rabies in bats?

25:41 - John Black (Browns Mills)
we should not keep any wild animals as pets

26:00 - Lillian Ledford
Oh, bat gestation is super interesting!

26:06 - Annie Kassler
Lots of literature about NOT having bats as pet - bad idea for the bats

26:14 - Joan Phegley
Do you have information or lesson ideas for intermediate elementary classes? I find bats interesting and want to share that interest.

26:23 - ann froschauer 3
Most states require a special permit to have bats.

26:32 - Leigh Ann Reynolds In (Waterville Valley)
what effect does light pollution have on bats?

26:34 - Michael 1
James, what was your best 'bat encounter?' Where was it?

26:38 - ann froschauer 3
Some people get permits to rehabilitate bats

26:49 - Stacey G. Thomas
Can you list a few of the bats on the endangered species list?

27:10 - terri jacobsen
Indiana and grey bat

27:14 - Gabriela Arnold Sparta
Have you found species migrating to the USA from other countries?

27:34 - ann froschauer 3
Federally listed endangered bats in the U.S.: Indiana bats, gray bats, Ozarks big-eared bat, Townsend's big-eared bats

27:56 - ann froschauer 3
There are two additional species, I will have to check!

28:00 - SheaStaten@yahoo.com
What about federally listed threatened bats?

28:02 - John Payne Lithia Springs Georgia
why do bats sometimes appear to fly down hover around people

28:09 - ann froschauer 3
Many states also have endangered bats

28:21 - Acadia National Park
Why would bats be flying around during the day?
28:33 - Christina Matone
  is there a type of bat that flies in the morning?

28:58 - Marcia Alvarez
  what effects dopesticides used in agriculture have on bats?

29:01 - Angelika Fuller (Thrall)
  Why do bats live under bridges? I would think they would be bothered by the cars driving above or the
  trains running below...

29:03 - Rita Crocker
  A bat got into my daughter's dorm once! that was exciting!! I caught it in a jacket and released it while the
  college kids were terrified and hiding/crying in their rooms!

29:20 - Joan Phegley
  What's the safest way to catch a bat that might find it's way indoors?

29:26 - ann froschauer 3
  Acadia NP- unfortunately, day flying is a typical sign of white-nose syndrome. If it has been this winter, it is
  likely a bat suffering from WNS.

29:53 - ann froschauer 3
  Some bats (especially red bats) will occasionally fly/feed during the day, but in general, that is not usual bat
  behavior.

30:01 - Gabriela Arnold Sparta
  where do I need to put a bat house?

30:02 - Marcia Alvarez
  have seen any effect on bat populations from global warming?

30:15 - Joan Phegley
  Is Indiana the only place that bats are affected by the white-nose syndrome? Or other states?

30:29 - Ben Clark
  What is the biggest bat of all time?

30:37 - John Black (Browns Mills)
  Great instructions on the batcon website Gabriela

30:42 - Joan Phegley
  Would it be safe to place bat houses around a schoolyard?

30:43 - ann froschauer 3
  WNS in in 19 states. I will talk about it in just a few minutes!

30:47 - Milu Karp
  20 states I heard most recently...

30:50 - Bill Plyler
  White nose is all over

30:53 - Acadia National Park
  Thanks, Ann, as you may know, we just documented WNS in ANP this winter :( 

30:55 - Janet Bearden, Haywood, VA
  I've been surprised to have bats get into my house in the dead of winter. Didn't realize they could withstand
  the cold.
30:56 - **kelliarmes**
why are windmills (or how) are they killing bats

31:15 - **ann froschauer 3**
I'll talk a little bit about wind power soon

31:18 - **kathy balman (roswell, ga)**
do bats have sharp teeth

31:19 - **Gabriela Arnold Sparta**
thanks John

31:31 - **John Black (Browns Mills)**
YW

31:33 - **ann froschauer 3**
very sharp teeth! have to crunch through hard insect shells and bodies!

31:59 - **Gabriela Arnold Sparta**
Any species migrating from other countries to the USA for deforestation

31:59 - **Stacey G. Thomas**
Overall, are bat populations declining, staying the same or increasing?

32:05 - **John Black (Browns Mills)**
declining

32:20 - **Bill Plyler**
seriously declining

32:20 - **Ben Clark**
oh WOW...

32:26 - **Apple Snider**
The biggest bat in the world will likely make an appearance at the May 17 webcast!!!

32:27 - **John Black (Browns Mills)**
flyin fox?

32:37 - **Ben Clark**
thanks!

32:48 - **Stacey G. Thomas**
What is primarily contributing to their decline?

32:50 - **Donna Tolliver (Sutherland)**
Looking forward to learning more about White Nosed Syndrome, presumably in the threats to bats part?

32:50 - **Kristy Liercke**
Hi Carol!

32:55 - **Angelika Fuller (Thrall)**
Do all female bats roost in maternal colonies?

32:56 - **ann froschauer 3**
some species migrate to and from Canada and Mexico
33:03 - Joan Phegley
   What are some ways Elementary students can help the population of bats grow?

33:15 - John Black (Browns Mills)
   habitat loss is probably the leading cause for declining numbers

33:20 - Ben Clark
   What kind of food do most bats eat?

33:28 - John Black (Browns Mills)
   insects Ben

33:29 - ann froschauer 3
   most eat insects

33:33 - Bill Plyler
   White nose is worst

33:48 - Ben Clark
   ooh... thanks

33:51 - Rose Norris
   Is anyone else losing audio, or is it my connection?

33:52 - Jenny Y'Deen (Los Angeles)
   can we get the info on that online fruit bat presentation coming up again?

33:53 - CINDY LOOS
   n

34:07 - Ben Clark
   I knew that :P....

34:08 - Apple Snider
   Check out batslive.pwnet.org

34:09 - terri jacobson
   Lesser and greater long-nosed bats and Hawaiian hoary bat are federally endangerd too

34:09 - Pat Herrera
   for instance?

34:15 - kathy balman (roswell, ga)
   why do bats have such big ears (6 yr old would like to know)

34:41 - ann froschauer 3
   info about the next webinar is here: www.batslive.pwnet.org

34:58 - John Black (Browns Mills)
   for hearing the echo location sounds that they produce

35:09 - Ben Clark
   How high do bats fly?

35:30 - Gabriela Arnold Sparta
   for how long do the babies breastfeed

35:57 - Gabriela Arnold Sparta
sorry the moms breastfeed

36:04 - Stacey G. Thomas
   Good question Ben! I would like to know that as well!

36:32 - Ben Clark
   Our county's Animal Control is required to kill any bat that is found here. Is this typical for other counties in the U.S., and how can I help change this?

36:48 - ann froschauer 3
   different species of bat pups learn to fly at different ages, and will start learning to hunt. some as soon as a month!

37:00 - ann froschauer 3
   (insectivorous bats)

37:16 - Lillian_Ledford
   Ben, my county doesn't have animal control...they have a deputy with a gun. Fortunately we also have a wildlife rehab center to call.

37:18 - Joan Phegley
   something I need to look into also, Ben...is it typical for "pest control" to destroy a bat found in doors?

37:23 - Michael 1
   jonathan livingston bat

37:35 - Lillian_Ledford
   Cute Michael.

37:50 - Bill Plyler
   indoor bats are killed to test for rabies

37:52 - Michael 1
   Was Jeanne's... ;)

38:00 - James (Soudan)
   Where can we get the information presented in this powerpoint?

38:01 - Lisa Ann Green #2
   You know that after bat pups are born, they nurse right off the bat?

38:07 - Michael 1
   I'm just typing

38:08 - Christina Matone
   why are they upside down?

38:21 - Ben Clark
   We have a bat house, and bats live near here, but where should we put it to get bats to live there? (We live in a wooded area.)

38:38 - Judith Currier
   Thanks James

39:18 - George Jefferson 2
   The hang upside down as this is the fastest and easy way for them to launch

39:42 - Gabriela Arnold Sparta
Thank you everybody I am learning so much

39:49 - **John Black (Browns Mills)**
:)

40:01 - **Sandy Frost #2**
James -- the presentation will be available as an archive in a few days -- also check our batsLIVE website at www.batslive.pwnet.org

40:07 - **Ben Clark**
Me too. THanks for the great information.

40:15 - **Stacey G. Thomas**
Yes, great information!

40:42 - **Pat Herrera**
yes thx!

40:56 - **Joan Phegley**
Thanks for the information! Great stuff!

41:58 - **John Black (Browns Mills)**
Habitat loss as well as food loss due to the use of non-native plants

42:26 - **Gabriela Arnold Sparta**
big problem those invasive plants

42:54 - **John Black (Browns Mills)**
not just invasive but plants that are not native and not yet invasive

43:16 - **Gabriela Arnold Sparta**
you are right

43:20 - **SheaStaten@yahoo.com**
With bats using manmade structures as roosting/maternal sites, can these structures be listed as "critical habitat" under Endangered/Threatened Species Act?

43:21 - **Apple Snider**
Yes, sometimes these plants don't attract the insects bats eat.

43:39 - **John Black (Browns Mills)**
native plants=insects=bat food

44:00 - **Apple Snider**
yes!

44:20 - **Gabriela Arnold Sparta**
we need to ban if that is a word some invasive species from garden centers

44:48 - **Joan Phegley**
invasive species in garden centers? really?

44:58 - **John Black (Browns Mills)**
many states have started "no plant" lists that address the really invasive plants

45:01 - **Stacey G. Thomas**
Which bat wraps up in leaves on the forest floor to hibernate, and when the forest habitat disappears, to what would they adapt?
45:14 - Lisa Ann Green #2
I was a ranger at Carlsbad Caverns and we were having a problem because the bats over-wintered in Mexico where they still used DDT.

45:22 - Gabriela Arnold Sparta
sure what about the most common one, japannesse barberry

45:44 - John Black (Browns Mills)
NJ does not have a No Plant list..yet

46:00 - Gabriela Arnold Sparta
It is sold and used in the majority of landscapes in northern NJ.

46:16 - John Black (Browns Mills)
so is butterfly bush

46:21 - Lillian_Ledford
burning bush.

46:32 - Gabriela Arnold Sparta
really I had no idea

46:39 - Joan Phegley
ok...i'm confused...

46:49 - Joan Phegley
butterfly bush is a threat to bats?

46:59 - Gabriela Arnold Sparta
I guess I am guilty on that one.

47:10 - Lillian_Ledford
butterfly bush is an invasive non-native for many locations...

47:19 - Joan Phegley
a threat, in what way?

47:24 - Gabriela Arnold Sparta
I guess if they are not native they will not attract the right type of insect?

47:26 - John Black (Browns Mills)
it is a non native and invasive plant, invasive plants do not feed insects like native plants do

47:45 - SheaStaten@yahoo.com
here are some great native plants for bats: Goldenrod, phlox, evening primrose, nightflowering silene catchfly

47:47 - Joan Phegley
oh...so what do i tell those bees & butterflies?

47:59 - John Black (Browns Mills)
use native pollination sources

48:01 - Lillian_Ledford
enjoy our native species?

48:19 - John Black (Browns Mills)
if you send me an email and tell me your location I can help you with that

48:30 - Lillian Ledford
You should have a native plant society in your area, and they are AMAZING at helping you build a pollination garden.

48:34 - Joan Phegley
i will have to look into that more.

48:51 - Rose Norris
Think of what our native animals used prior to the introduction of nonnatives

48:54 - Joan Phegley
Purdue would surely have a list.

49:01 - Gabriela Arnold Sparta
I would like some help as well. gabyarnold@hotmail.com

49:11 - Apple Snider

49:23 - Joan Phegley
thanks Apple for the link.

49:28 - Sandy Frost #2
The North American Pollinator Protection Campaign (NAAPC) has wonderful online resources for your area also.

49:30 - Apple Snider
This topic will be covered further in the May 3 webinar!

49:37 - Gretchen Nareff
barotrauma

49:59 - Gabriela Arnold Sparta
Thanks Apple I have a monarch garden will I be able to combine them

50:06 - Apple Snider
Great!

50:19 - Gretchen Nareff
I spelled that incorrectly

50:32 - Joan Phegley
yes, and I have information from the North American Pollinator campagin...I will look at that again.

50:39 - Gretchen Nareff
barotrauma

50:43 - Milu Karp
how do you spell it...ah thanks

51:04 - Susan Smith (Canton)
I have a problem with bats living under the siding of my large picture windows!

51:23 - Gabriela Arnold Sparta
I feel ashamed of the damage we as humans have done, time to reverse it
51:59 - **John Black (Browns Mills)**
   I agree Gaby

52:03 - **Joan Phegley**
   Will these slides shows be available for use in classrooms?

52:08 - **Patricia Ann Dunlavy**
   Wasn't it 2006?

52:17 - **Susan Smith (Canton)**
   We have a log home and we have settling space between the window and logs that we have cedar over it.

52:58 - **Apple Snider**
   This is a BIG deal.

53:06 - **Stacey G. Thomas**
   Will it be possible to not only have access to this powerpoint, but also the chat comments?...Very good information in both areas!

53:09 - **Susan Smith (Canton)**
   We have at least 10-12 bats and I'm assuming babies living there and I don't want to hurt them but they need to move.

53:16 - **Sandy Frost #2**
   The FWS has a great collection of bat photos for educators' use. We'll be sure that Ann talks about the WNS website!

53:28 - **Gabriela Arnold Sparta**
   You are right as I said before I haven't seeing a bat for the past two years

53:47 - **Gabriela Arnold Sparta**
   Lots of mosquitos here

54:21 - **Lillian Ledford**
   Just curious, why do they have to move?

54:46 - **Gabriela Arnold Sparta**
   SO SO SO SAD

54:47 - **Susan Smith (Canton)**
   They are right above my deck and bat guano is on the deck.

54:49 - **Annie Kassler**
   I saw my first bat of the year - just one bats - last night. This is in Camden Maine

55:05 - **Sharon #2**
   Where does the fungus come from?

55:35 - **Gabriela Arnold Sparta**
   I am in sparta NJ no bats here

55:41 - **Lillian Ledford**
   Is there ay way for you to capture the guano? If not, maybe you can make a bat box in similar area and make your current habitat undesirable.

55:59 - **Lillian Ledford**
   That way they could move from one place to the next
56:06 - Christina Matone  
   can humans get white-nose syndrome?

56:12 - Susan Smith (Canton)  
   We have a bat house in our trees but they are preferring our house

56:15 - John Black (Browns Mills)  
   no Christina

56:48 - Susan Smith (Canton)  
   If I put something up to prevent them from getting in when will the babies be old enough

57:03 - Gabriela Arnold Sparta  
   what's the difference between disease and syndrome?

57:19 - Apple Snider  
   Susan--I'll address some of your concerns in my presentation.

57:24 - kelliarmes  
   My dad has a bat house in WV and he lost several last year, we suspect the WNS. I hope there is a way to help these guys!

57:34 - Susan Smith (Canton)  
   Thanks so much! I'm in Illinois

57:40 - Apple Snider  
   ok!

57:57 - Rena Escobedo (South Lake Tahoe)  
   What's the estimate of deaths since 2007? or average death by year?

58:09 - Karen Siekas  
   If WNS is a cold loving fungus, are cold-blooded animals at risk?

58:17 - Linda Mercer (Capon Bridge)  
   I live in WV and have noticed a decreased pop. in my attic in the last two years

58:29 - Stacey G. Thomas  
   Good question Karen! I would like to know that as well!

59:12 - Susan Smith (Canton)  
   In rural IL bats seem to be alive and thriving! We watch and hear them at dusk!

59:51 - Donna Tolliver (Sutherland)  
   Ooh, Knox Cave has increases~

1:00:07 - Joan Phegley  
   In central-western Indiana we have noticed several bats in our area each evening throughout the summers the last 4-5 years.

1:00:41 - Stacey G. Thomas  
   Did she say 300 bats in one square foot?

1:00:55 - John Black (Browns Mills)  
   Did the mild winter here have an impact on WNS here in NJ?

1:00:59 - Gretchen Nareff  
   I harp netted bats in Vermont in college
1:01:12 - Gabriela Arnold Sparta
This is too painful to listen.

1:01:18 - Lillian_Ledford
indeed.

1:01:24 - Gabriela Arnold Sparta
What can we do to help?

1:01:28 - Pat Herrera
:(

1:01:51 - laurel haynes
really sad

1:01:52 - Lillian_Ledford
Support research...

1:02:01 - Lyn D
What is the hibernation dates typically for bats

1:02:04 - kelliarmes
:( wow

1:02:16 - Stacey G. Thomas
How has our extremely warm weather this winter affected bat hibernation?

1:02:20 - Michael 1
What about Mexican freetail?

1:02:20 - SheaStaten@yahoo.com
I see bats that use caves and bat houses on the WNS... any chance of contaminating a bat house?

1:02:25 - Jamie Saunders
Will these slides be available later?

1:02:41 - John Black (Browns Mills)
yes this is all being recorded

1:03:06 - Diane Diekemper (Belleville) #2
So Sad!

1:03:10 - Stacey G. Thomas
This is so sad!

1:03:18 - Jamie Saunders
The statistics are staggering and so sad. :( 

1:03:38 - Michael 1
If WNS is detected in a new location/state, is there any way to isolate them? I'm sure people are watching the bats in Austin/Houston.

1:03:40 - Joan Phegley
So hanging a bat house won't necessarily help the species multiply?

1:03:49 - Catherine Justis (Memphis)
has WNS been detected any place besides caves, e.g.tree roosts, bat houses.
1:03:59 - Gabriela Arnold Sparta
   Good question about bay houdrd

1:03:59 - John Black (Browns Mills)
   yes, hanging a bat house will help

1:04:02 - Lillian Ledford
   I'm sure that providing more habitat can only help.

1:04:07 - Gabriela Arnold Sparta
   sorry houses

1:04:34 - Lillian Ledford
   The more variety in population, the greater the likelyhood that a resistance will emerge

1:04:35 - Eliza Russell (NWF)
   whitenosesyndrome.org

1:04:40 - Michael 1
   Ann, impact on mexican freetails?

1:04:48 - nancy blodinger
   is there any way to treat the live colonies?

1:05:02 - Sandy Schriever
   sorry -- joined quite late. What about Mexican free-tailed bats?

1:05:06 - Christa Haverly
   if this is so depressing to us adults, think of how depressing it will be for children - please take care not to burden children with info that's too depressing - we want them to feel empowered to make a difference and not too depressed to make a change

1:05:07 - Mary Beth Pottratz
   Are northern states like Minnesota exempt from WNS due to freezing winters?

1:05:09 - Ben Clark
   its so sad

1:05:11 - John Black (Browns Mills)
   did the mild winter here in NJ had an impact on WNS?

1:05:17 - FEWERR-Bat Rescue Tulsa Ok
   are any of these species only in the NE and could be totally wiped out?

1:05:18 - mswick@dnr.in.gov
   Great information!

1:05:22 - Sharon #2
   Great information. We did not know about this disease.

1:05:22 - wgartner
   any ideas on why some bats survive WNS - metabolisim, size...?

1:05:24 - Gabriela Arnold Sparta
   what's the difference between syndrome and disease. Are they treated the same

1:05:24 - Kimberly Murphy (Windham)
I tuned in halfway through— is there a way to re-watch this so I can see what I missed?

1:05:35 - Dawn Cermak (Wetumpka)
Should I clean my bat houses somehow and if so when?

1:05:39 - CINDY LOOS
If this disease came from Europe, do they have a better understanding of this disease?

1:05:41 - Marcia Alvarez
Have we found a treatment or cure for white nose syndrome?

1:05:46 - John Black (Browns Mills)
yes it is being recorded Kimberly

1:05:47 - Stacey G. Thomas
Can WNS exist in bat houses or is it only in cave habitats?

1:05:54 - Angelika Fuller (Thrall)
Are you sure that WNS will not affect non-hibernating bats?

1:06:47 - Joan Phegley
A bat house would be an easy project to do...online information about "best" locations?

1:06:58 - John Black (Browns Mills)
Yes from batcon.org

1:07:44 - Stacey G. Thomas
How does this disease manifest itself early on in the bats...what is it about WNS that leads to death? Does it affect their ability to hear/see/fly?

1:07:55 - John Black (Browns Mills)
That would not be a good idea Annie

1:08:00 - Pat Herrera
Are research cavers required to sanitize their boots and clothing?

1:08:28 - VT.Wildfire129
In the cave in VT, you mention only 35 bats left... but all the dead ones still in the cave as seen via pics. By leaving the dead in the cave, wouldn't that keep the disease infested within the cave to continue infecting the bats left? Wouldn't there be a way to burn the dead, and rid the cave of the fungus? With American Foul

Brood for beekeepers, the only way to rid the disease out of your beeyard is to burn the infected hive... it's super harsh; but effective...

1:08:49 - **John Black (Browns Mills)**
yes they are required to clean all gear after leaving a cave

1:09:03 - **Lillian_Ledford**
caves are such fragile ecosystems, burning would destroy much more than just the bats

1:09:09 - **John Black (Browns Mills)**
We (cavers) have guidlines concerning that

1:09:24 - **Joan Phegley**
For hikers visiting small caves @ state parks, would that be recommended also?

1:09:29 - **VT.Wildfire129**
Ughhh it really sucks, this is super harsh...

1:09:32 - **Pat Herrera**
and general population? posted? education for everyone?

1:09:36 - **John Black (Browns Mills)**
yes certainly

1:09:37 - **Cathy Rackliffe**
Do the European researchers know why bats there are able to survive the disease?

1:09:46 - **Ben Clark**
this is just terrible.

1:10:02 - **Janet Bearden, Haywood, VA**
Is anyone looking at cave-wide treatment?

1:10:06 - **VT.Wildfire129**
I'm a beekeeper... and I also had bats in my back yard and barn... but they are gone now :(

1:10:07 - **Stacey G. Thomas**
Good question Cathy...most of Europe tends to stay relatively cold.

1:10:12 - **kelliarmes**
if we find dead bats should we gather them (safely with gloves) and send them somewhere to get a confirmation of WNS (or how is the safest way to dispose of them to keep other bats safe

1:10:13 - **Gabriela Arnold Sparta**
is it a disease or a syndrome I am confused

1:10:14 - **Lillian_Ledford**
This reminds me of the spread of the American Chestnut Blight and other tree plagues

1:10:24 - **John Black (Browns Mills)**
a syndrome

1:10:41 - **Annie Kassler**
Not bring eurpoean bats to the US, but figuring out what helps european bats to be resistant to WNS....

1:10:56 - **Gabriela Arnold Sparta**
it is being talked about both.
1:11:28 - Gabriela Arnold Sparta
   Tx John you are a big help

1:11:32 - Pat Herrera
   thank you

1:11:38 - Stacey G. Thomas
   If you find dead bats suspected of WNS, what should be done?

1:11:51 - Joan Phegley
   Thank you, Ann!

1:11:54 - Judith Currier
   Thanks for your information.

1:12:05 - John Black (Browns Mills)
   Thanks Ann,

1:12:09 - Gabriela Arnold Sparta
   Thank you

1:12:29 - Gabriela Arnold Sparta
   Love your outfit

1:12:34 - mswick@dnr.in.gov
   Cute!

1:12:40 - Joan Phegley
   That's a silly pic! Students would love it!

1:12:44 - Lillian Ledford
   Umbrella wings!

1:13:47 - Kelly Middleton
   lol

1:14:18 - Joan Phegley
   oh that bat is cute!

1:14:23 - Kelly Middleton
   ikr

1:14:38 - Linda Mercer (Capon Bridge)
   Do bats eat stink bugs?

1:14:39 - John Black (Browns Mills)
   watching a bat drink water is AMAZING

1:14:56 - Donna Tolliver (Sutherland)
   I was wondering about that, John, how it drinks.

1:14:57 - Joan Phegley
   anyone have video of that?? that would be cool to watch!!

1:15:04 - Mary Beth Pottratz
   Do bats each crawling insects like woodticks and beetles?

1:15:15 - John Black (Browns Mills)
some drink while flying over the water

1:15:34 - John Black (Browns Mills)
    some will just crawl up to the edge of the water

1:15:53 - Lillian_Ledford
    I mist netted for bats at a golf pond once, they swooped down and scooped up water on the fly. It was amazing.

1:16:37 - ann froschauer 3
    Stacey- if you suspect bats with WNS, you should contact your state wildlife agency

1:16:41 - Stacey G. Thomas
    Do bats hibernate close together to maximize body heat?

1:16:48 - Lisa Ann Green #2
    yes

1:16:56 - Lillian_Ledford
    Check with your utility company before mounting houses on their poles!

1:17:57 - Joan Phegley
    I once saw a little brown bat hibernating in a glass display case @ a state park! Most thought it was dead...I'm sure it was just hibernating...all curled up in the corner.

1:17:58 - Ben Clark
    cute pic!

1:18:00 - Kelly Middleton
    bats hibernate? (re)

1:18:00 - Stacey G. Thomas
    awhhh! so cute!

1:18:01 - Joan Phegley
    haha

1:18:03 - Eliza Russell (NWF)
    What impact will climate change on the spread of WNS

1:18:36 - Kelly Middleton
    :[

1:18:36 - Lillian_Ledford
    Kelly, yep! Like most insect eaters, there isn't much food in winter!

1:18:40 - John Black (Browns Mills)
    hard to say Eliza, just so much is changing due to climate change

1:19:02 - ann froschauer 3
    stacey- some bats in clusters, some individually. different species prefer different temperatures and humidity when they hibernate.

1:19:04 - Rose Norris
    I have a southern exposure, but it would be sweltering. Would that be ok for the bats?

1:19:08 - Kelly Middleton
    ok im jacob her son im 12
1:19:30 - Kelly Middleton
:]

1:19:34 - Joan Phegley
Thankfully, my mother taught me to respect bats...and dispel myths about bats flying into my hair!! :)

1:20:01 - Lisa Ann Green #2
I love stellaluna

1:20:09 - mswick@dnr.in.gov
I just purchased Stellaluna!

1:20:45 - Gabriela Arnold Sparta
I will read the other two

1:20:47 - Ben Clark
aww!!

1:21:26 - Joan Phegley
Is the Indiana Bat Festival the one located @ Indiana State University??

1:21:33 - Jody Ullmann
Bats at the Beach makes the bats like humans, There are much better books out there. I try not to read anthropomorphic books.

1:21:50 - Diane Diekemper (Belleville) #2
Ann, great info, thank you!

1:21:56 - Gabriela Arnold Sparta
How often should we clean the bat house

1:21:56 - Leigh Ann Reynolds In (Waterville Valley)
how does light pollution effect bats?

1:21:58 - Dawn Cermak (Wetumpka)
Should I clean my bat houses and if so, when?

1:22:07 - John Black (Browns Mills)
Thank you Apple!

1:22:16 - Gabriela Arnold Sparta
what kind of wood should we use

1:22:23 - Sharon #2
Thank you for the great info! We look forward to checking out the other websites for more info!

1:22:28 - Rose Norris
How hot can a bat house get before it is detrimental?

1:22:44 - ann froschauer 3
humans cannot get white-nose syndrome. neither can our pets or livestock. our bodies are too warm.

1:22:46 - Stacey G. Thomas
How long is it before a pup can fly?

1:22:48 - cschiefelbein
How large of an area around a bat house is needed for proper entrance and exit by the bats?
any issues with bats and birds in the same backyard habitat?

Elise
I am with the Bat Conservancy of Coastal California and we are initiating a Bat Friendly Business Certification program aimed at roofers, tree surgeons, realtors, exterminators, etc.

Susan Smith (Canton)
how harmful is guano you hear horror stories about touching it and it getting in your lungs

mswick@dnr.in.gov
Thank you Apple!:

kelliarmes
if we find dead bats should we gather them (safely with gloves) and send them somewhere to get a confirmation of WNS (or how is the safest way to dispose of them to keep other bats safe

John Black (Browns Mills)
unless the birds are owls and hawks

Stacey G. Thomas
Guano must not be too harmful...my dog loves to eat it off the porch where they roost (gross)

Gabriela Arnold Sparta
should we use any specific kind of wood?

teri jacobson
Little RedBat by Carole Gerber is very factual and a great educational book (*)

James Eggers, Bat Conservation International
Other Bat Books: find a list of over 100 books approved and suggested by Bat Conservation International at www.batcon.org/batbooks

ann froschauer 3
if you find dead bats, please contact your state wildlife agency!

Joan Phegley
Thank you, Apple!

Judith Currier
Thank you Apple

Lisa Ann Green #2

Michael 1
thanks presenters! great job by all

Stacey G. Thomas
Thanks Apple!

Donna Tolliver (Sutherland)
This has been wonderful!!

John Black (Browns Mills)
Thanks to all the presenters!
1:24:10 - Ben Clark
   Thank you!

1:24:10 - Linda Mercer (Capon Bridge)
   Thank you all. This is great!

1:24:11 - Apple Snider
   Thank you all!!

1:24:11 - Kelly Middleton
   :[

1:24:13 - Rose Norris
   Thank you!

1:24:13 - Donna Tolliver (Sutherland)
   Many thanks!

1:24:14 - Gretchen Nareff
   Thanks!

1:24:17 - Stacey G. Thomas
   Wonderful information!

1:24:17 - Joan Phegley
   Thanks to all the presenters, this evening!

1:24:19 - Elise
   Thank you for your time and efforts!

1:24:20 - Ben Clark
   Thanks B)!

1:24:21 - Rita Crocker
   Thank you, this was a wonder presentation! Thanks for all you do!

1:24:22 - Christina Matone
   thank you!

1:24:29 - Michael 1
   let jacob show us where to find the bat icon!

1:24:29 - VT.Wildfire129
   Totally awesome!!!! Thanks

1:24:32 - Vivian Lembo (Cary)
   Thanks to all presenters.:)

1:24:32 - Becky Kerr (Aztec)
   Thanks!

1:24:32 - wiserichardthere@msn.com
   Thank You - Look fwd to listening to the recorded version again!!

1:24:35 - Catherine Justis (Memphis)
   thanks

1:24:36 - Karen Siekas
This was great, thank you all!

1:24:37 - Bradley Phillips
thanks to all:) 

1:24:43 - laurel haynes
thank you!

1:24:45 - Christina Matone
:} rock

1:24:47 - Mimi Burke (Charlotte) 1
Thank you!

1:24:52 - Lisa Ann Green #2
:} :} :} :} :} 

1:24:53 - Annie Kassler
Thank you James; thank you all....great.

1:24:54 - mswick@dnr.in.gov
Thank you everyone!:)

1:25:08 - ann froschauer 3
white-nose syndrome is the disease

1:25:21 - lbland@jamadots.com
Thanks to you all, great presentations!

1:25:23 - Gabriela Arnold Sparta
I am so glad I joyned, I have a new source of energy to work with the kids around my town

1:25:34 - Kelly Middleton
:} :} :} :} 

1:25:38 - ann froschauer 3
it is named "syndrome", but the disease is characterized by the specific fungal infection

1:25:52 - John Black (Browns Mills)
Gabriela, I will send you an email after this is over

1:26:00 - Lillian Ledford
can you please send that survey via email to participants?

1:26:00 - Eliza Russell (NWF)
Please take the survey now or later... you can cut and paste this link into your website:

1:26:04 - Gabriela Arnold Sparta
thanks John

1:26:05 - Lillian Ledford
or that way!

1:26:16 - Christina Matone
thank you!

1:26:19 - Stacey G. Thomas
How can we get copies of the powerpoint and also the chat notes?

1:26:19 - Joan Phegley
Thank you!!!

1:26:29 - Ben Clark
Thanks!

1:26:30 - Gabriela Arnold Sparta
thank you Apple and all

1:26:55 - Kelly Middleton
thanks :)

1:26:56 - Andrea Shortsleeve
Nice job, Apple!

1:27:13 - Eliza Russell (NWF)

1:27:46 - Tracy Garrison 1
I was told that Big Browns do not use bat houses for maternity roosts. Is this true? Would they possibly use a really large house that mimicks attic atmosphere? I volunteer to help people who want to exclude attic bats, but want them to stay around the property. They are mostly Big Browns where I live in Alabama

1:28:23 - Christa Haverly
thank you!

1:28:40 - Carley Sullivan
Do we get a certificate?

1:28:42 - Michael 1
Thanks and bye!

1:28:59 - Janet Bearden, Haywood, VA
Link to assessment is gone.

1:29:00 - Ben Swecker 1
GREAT JOB EVERYONE

1:29:00 - Gabriela Arnold Sparta
Thank you all

1:29:04 - Donna Tolliver (Sutherland)
I was filling out my survey and it disappeared. Any ideas how to get it back?

1:29:07 - Bill Plyler
excellent thank you

1:29:09 - Angelika Fuller (Thrall)
how do i get back to the evaluation?

1:29:10 - Kristy Liercke
If you’d like a certificate, please make sure you fill out the survey.

1:29:11 - Kelly Middleton
bye thanks :{
1:29:13 - Sandy Schriever
Mexican FT bats effected by WNS?

1:29:25 - Katie Maginnis (Ashford, WA)
thank you! til next time :)

1:29:27 - George Jefferson 2
Need evaluation page

1:29:28 - Kristy Liercke
Yes!

1:29:33 - Joan Phegley
I was filling out the survey and it disappeared!

1:29:36 - Rose Norris
Thansk for that information

1:29:36 - Eliza Russell (NWF)

1:29:51 - John Black (Browns Mills)
there is a link

1:29:56 - cschiefelbein
Where can we see the recording of this?

1:30:18 - John Black (Browns Mills)
the recording will be on the batslive website

1:30:24 - cschiefelbein
Thank you

1:30:40 - John Black (Browns Mills)
Thanks Eliza, this was great

1:31:03 - Kristy Liercke
Thanks everyone! You were great!

1:31:42 - Carley Sullivan
Thanks

1:31:51 - Elise
Is it possible to use sections of this presentation in our own presentations, assuming we credit the authors?

1:31:59 - Gabriela Arnold Sparta
I know I asked before but what kind of wood can I use for the bat houses

1:32:01 - Marcia Alvarez
could you pls repeat: will certificates or diplomas be available for those that participated in the webinar?

1:32:30 - Eliza Russell (NWF)

1:33:11 - John Black (Browns Mills)
Gabriela, if you check out the batcon website it gives really good instructions on building bat houses

1:33:22 - Linda Mercer (Capon Bridge)
I completed the survey but did not see the link to get a certificate which I would like to get for my MN program

1:33:34 - susie sullivan (christ the king chicago)
thanks, great info:[[]

1:33:43 - kathy balman (roswell, ga)
Thank you.

1:33:43 - Rose Norris
How do I send my information for documentation. I already finished the survey?

1:33:51 - VT.Wildfire129
I finished the survey via the link here; how do you get the certificate after it was sent?

1:34:00 - Eliza Russell (NWF)
Please email if you did need a certificate and I will ensure you get one. Russell@nwf.org

1:34:01 - John Black (Browns Mills)
sent you an email Gabriela

1:34:21 - Joan Phegley
I finished the survey...but didn't see a place to respond for certificate.

1:34:22 - VT.Wildfire129
Who do I need to email?

1:34:30 - John Black (Browns Mills)
good night everyone, thanks again to the presenters for a great webinar

1:35:29 - Joan Phegley
Thank you, again! Good night!