

**From:** [Boyer, Angela](#)  
**To:** [Miller \(Hickey\), Jessica](#)  
**Cc:** [Jennifer.Norris@dnr.state.oh.us](mailto:Jennifer.Norris@dnr.state.oh.us)  
**Subject:** Re: Bainbridge, Ohio 74 acres- Indiana Bat Survey  
**Date:** Friday, June 21, 2013 4:05:31 PM  
**Attachments:** [image001.png](#)  
[2013 OH USFWS Bat survey spreadsheet \(1\).xlsx](#)

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Dear Ms. Miller,

This is in response to your June 19, 2013 request for an amendment to your Federal Fish and Wildlife Permit No. TE235639-1 to conduct a mist-net survey for the Indiana bat (*Myotis sodalis*) at a 74-acre proposed development site located off the intersection of

Chagrin Road and Northview Drive in Bainbridge, Geauga County, Ohio.

This email serves as site-specific authorization to proceed in accordance with your Federal permit requirements. Authorization from the Ohio Division of Wildlife will also be required before proceeding with the survey. State authorization must be obtained separately. Please note that a federally permitted person must remain present at each mist net site while it is being operated. Permitted individuals may not supervise more than one mist net site per night. This notification serves as written concurrence that Davey Resource Group is authorized to proceed with the Indiana bat survey. Upon completion of the survey, we request that you submit an electronic copy of the survey results to this office. If any Indiana bats are found during the survey, you must notify this office within 24 hours. Please include the coordinates of the capture location, a photo of the bat, as well as data on the condition, sex and weight of the bat.

We are also requiring that the attached spreadsheet be completed for all bat work conducted in Ohio under a Federal permit. This spreadsheet may be completed and submitted on a project-by-project basis or one spreadsheet that includes data from all your Ohio bat work for 2013 may be submitted as part of your annual report, which is due to this office by January 31, 2014.

Due to concerns over White-nose Syndrome, we are requiring that the White-nose Syndrome Decontamination Protocol be followed for all bat survey work conducted in Ohio. Please be advised that the current protocol (attached) is subject to revision. Please visit the following link prior to conducting the survey to ensure the most current protocol is being followed.  
<http://www.fws.gov/midwest/endangered/mammals/BatDisinfectionProtocol.html>

We request that all Indiana bats be banded utilizing the Ohio Department of Natural Resources, Division of Wildlife (DOW) bands. Please contact Jennifer Norris (DOW) to request bands @ (614) 265-6349.

Please carry a copy of this site specific authorization and your Federal permit while conducting the survey. Please contact me if you have questions, or we may be of further assistance in this matter.

Sincerely,

Angela Boyer  
Endangered Species Coordinator for Ohio  
U.S. Fish and Wildlife Service  
4625 Morse Road, Suite 104  
Columbus, Ohio 43230  
(614) 416-8993, ext. 22  
(614) 416-8994 FAX  
[angela\\_boyer@fws.gov](mailto:angela_boyer@fws.gov)

On Wed, Jun 19, 2013 at 12:06 PM, Miller (Hickey), Jessica <[Jessica.Miller@davey.com](mailto:Jessica.Miller@davey.com)> wrote:

Angela and Jennifer,

We are planning to conduct an Indiana bat presence/absence survey for an approximate 74-acre site located off at the intersection of Chagrin Road and Northview Drive in Bainbridge, Ohio. Please see the attached maps. This site is planned for future residential development and contains suitable Indiana bat roosting habitat. It may also be within the range of a previous capture. Therefore, we are assuming that Phase I process will recommend a summer mist-net survey (Phase 2). We plan to complete a mist-net survey July 10-11.

This study will be conducted under my federal permit TE-235639-1 and my State permit 16-16.

Based on the size of this project, and potential available habitat, travel, and foraging corridors we will be following the *2013 Revised Range-wide Indiana Bat Summer Survey Guidelines (May 2013)* for the Midwest Region and our level of effort for this would be:

1 mist-net site (4 net nights)  
2 nights

#### **Methodology Phase 2**

Mist-netting procedures will follow Indiana bat mist-netting guidelines for the Midwest Region as provided in the *2013 Revised Range-wide Indiana Bat Summer Survey Guidelines (May 2013)*. In addition ODNR guidelines states that surveys can only be conducted from June 15-July 31.

**Step 4.** Mist-netting will occur over a 2-night period at one site within the 74- acre project area. At the site at least 2 net locations located a minimum of 30 meters apart will be set. Nylon or polyester low-visibility mist-nets will be erected across existing ROWs, access roads, streams, trails or other likely flyways where bat activity is anticipated. When possible, nets will be erected to sufficient height and width to entirely block the flight corridor. Nets will be secured to poles and adjusted using a rope-and-pulley system. Nets will be raised during the twilight hours and

monitored every 10 minutes for 5 hours. All bats removed from the nets will be identified to species and their sex, age, weight, and length will be recorded. Photographs of representative species will be taken. If Indiana bats are captured, additional measurements will be taken as well as photographs of specific features will be taken.

### **Methodology Phase 3**

If Indiana bat(s) are captured, radio tracking and emergence surveys will begin immediately per the *2013 Revised Range-wide Indiana Bat Summer Survey Guidelines (May 2013)*. This includes placement of a radio transmitter on female, juvenile, and adult male Indiana bats within the restricted weight range. A maximum of 5 Indiana bats will be radio-tagged. Bats will be tracked to locate their diurnal roosts for a maximum of 7 days and roost trees will be mapped to the best of our ability. Davey biologists will not enter private property without permission. If roost trees are identified, two evening emergence counts will occur at each identified roost.

**White Nose-Syndrome protocols will follow *White-Nose Syndrome Decontamination Protocol - Version 06.25.2012, U.S. Fish and Wildlife Service.***

Please let me know if you need any additional information. I will complete a report and send it once the survey is complete with photographs of the net sets, representative bats that are captured, and surrounding habitat features.

**Due to the short survey season we are asking for approval of this study plan as quickly as possible (by July 3) to allow for mobilization and also for other projects to be completed within the timeframe. Thank you.**

*Jessica Hickey-Miller*

**Project Manager/Senior Biologist**

