Résumé
Stephanie Penk
borealis Biological, LLC
2638 Gabriel's Creek Rd.
Mars Hill, NC 28754

EDUCATION

University of Toronto, Toronto ON, Canada

- PhD student
- Department of Ecology and Evolutionary Biology
- Emphasis on mathematical modeling in ecology

University of Guelph, Guelph ON, Canada

- Bachelor of Science Honors, Major: Wildlife Biology
- Graduated with Distinction

CERTIFICATIONS AND PERMITS

-Federal collection permit: Indiana bat (*Myotis sodalis*), northern long-eared bat (M. septentrionalis)
-Qualified Indiana bat surveyor, Pennsylvania Game Commission

QUALIFICATIONS AND EXPERIENCE

Ms. Penk has six years of experience working in the environmental services field. During that time she has quickly distinguished herself as a capable and competent biologist, swiftly building her credentials in endangered species surveys for *Myotis sodalis* and more recently for *M. septentrionalis*. At this point in her career Ms. Penk has performed approximately 245 mist-net surveys, a third of which she acted as the team lead. For the past two years, Ms. Penk has managed telemetry efforts on a variety of projects across Pennsylvania, West Virginia, Ohio and Iowa with a great rate of success despite many land access restrictions.

Ms. Penk has personally captured and process 20 *M. sodalis* and 102 *M. septentrionalis* to date. She had experience with placing transmitters on 12 *M. sodalis and M. septentrionalis* and assisting with transmitter attachment for an additional 11 myotis. Ms. Penk has performed over 550 total hours of radio telemetry tracking for bats, both for foraging and roost tree surveys. She is experienced in the use of the following equipment and techniques as they relate to the detection, capture, and handling of bats including federally protected species:

- Bat handling and identification of Eastern U.S bat species: *Myotis sodalis*, *Myotis septentrionalis*, *Myotis lucifugus*, *Myotis leibii*, *Myotis austroriparius*, *Nycticeius*

humeralis, *Perimyotis subflavus*, *Eptesicus fuscus*, *Lasiurus borealis*, *Lasiurus cinereus, Lasionycteris noctivagans*

- Determining sex, age, and necessary measurements of bats
- Suitable survey site selection
- Mist net set up and operation
- Harp trap set up and operation
- Radio telemetry; foraging and roost tree locating
- Analysis of telemetry data using LOAS programs
- Transmitter application
- Application of split-ring metal and celluloid identification bands
- Wing Damage Index Scoring
- Bat habitat assessments
- Acoustic monitor placement
- White-nose Syndrome decontamination protocols

PROJECT EXPERIENCE

Pennsylvania

Biologist – Mist net survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Rover Pipeline throughout Pennsylvania.

Biologist – Mist net survey for the Federally Endangered Indiana Bat for the proposed Pennsylvania Pipeline Project throughout Pennsylvania.

Ohio

Biologist – Habitat Assessment for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Rover Pipeline throughout Ohio.

Biologist – Mist net survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Rover Pipeline throughout Ohio.

Biologist – Mist net survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Zoran Well Pad in Monroe County, Ohio.

Biologist – Mist net survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Dr. No Well Pad in Monroe County, Ohio.

Biologist – Mist net survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Valenka-2 Well Pad in Monroe County, Ohio.

West Virginia

Team Leader/Biologist – Mobley to Majorsville: 2018. A summer survey and winter habitat assessment for the federally endangered Indiana bat (Myotis sodalis) at a proposed project area in Wheeling, WV.

Team Leader/Biologist – Brues to Glendale: 2018. A summer survey and winter habitat assessment for the federally endangered Indiana bat (Myotis sodalis) at a proposed project area in Wheeling, WV.

Biologist – Mist Net Survey for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Rover Pipeline throughout West Virginia.

Biologist – Habitat Assessment for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Rover Pipeline throughout West Virginia.

Biologist – Mist net survey for the Federally Endangered Indiana Bat for Black Castle Surface Mine in Boone County, WV.

Biologist – Mist net survey for the Federally Endangered Indiana Bat for Long Branch Surface Mine in Kanawha and Raleigh Counties, WV.

Biologist – Mist net survey for the Federally Endangered Indiana Bat for Blue Pennant Surface Mine in Boone and Raleigh Counties, WV.

Biologist – Habitat Assessment for the Federally Endangered Indiana Bat and northern long-eared bat for the proposed Inception Gas Pipeline in Harrison County, WV.

Maryland

Biologist – Mist net survey for the Federally Endangered Indiana Bat and threatened northern long-eared bat for the proposed Terrapin Hills Wind Project in Garrett County, Maryland.

North Carolina

Biologist – Mist net survey for long term monitoring of bat species with the Eastern Band of Cherokee Fish and Wildlife service in Cherokee, NC.

Virginia

Biologist – Mist Net Survey for the Federally Threatened northern long-eared bat for the RAYTHEON project conducted with the US Navy in New Kent, VA.

Iowa

Team Leader/Biologist – DIAMOND TRAIL WIND ENERGY PROJECT: 2017. A summer survey and winter habitat assessment for the federally threatened northern long-eared bat (Myotis septentrionalis) on Invenergy property in multiple counties throughout central Iowa.