



Résumé

Dylan Brooks

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

EDUCATION

Bachelor of Science: 2015. Natural Resource Conservation and Management,
Western Carolina University

Associate in Applied Science: 2011. Fish and Wildlife Management,
Haywood Community College

CERTIFICATIONS AND PERMITS

-Federal collection permit: Indiana bat (*Myotis sodalis*), northern long-eared bat (*M. septentrionalis*)

-Qualified Indiana bat surveyor, Pennsylvania

QUALIFICATIONS AND EXPERIENCE

Mr. Brooks has more than 8 years of project experience in ecological and environmental services. In that time, he has conducted ecological field investigations on a variety of different projects including habitat assessments and endangered species surveys for various natural resource extraction companies. Much of Mr. Brooks' experience is comprised of presence/absence surveys for threatened and endangered bat species (*Myotis sodalis* and *M. septentrionalis*). During this time the majority of Mr. Brooks' experience has been as a team leader and/or permitted biologist on site. Mr. Brooks is experienced in identifying all eastern species of bats, bat capture techniques, conducting acoustic surveys, cave and portal surveys, application of split-ring metal forearm bands, attachment of radio transmitters to listed bat species and conducting radio telemetry studies.

Mr. Brooks has accumulated over 1800 hours of surveys and 2000 hours of tracking bats. He has personally captured and processed 34 *M. sodalis* and 260 *M. septentrionalis*. Mr. Brooks has also attached transmitters to 23 *Myotis*. He is knowledgeable and experienced in the application of the following equipment and techniques as they relate to the detection, capture, and handling of bat species:

- Bat handling (species level identification and various physical measurements)
- Mist-net site selection, set up, and operation
- Harp trap site selection, set up, and operation
- Radio telemetry
- Estimated 1800 contact hours performing surveys for listed bat
- Application of split-ring metal forearm identification bands
- Reichard's Wing Damage Index Scoring

- Suitability assessments for both summer and winter bat habitat
- Acoustical monitoring and call analysis
- Autumn portal/cave evaluations and surveys
- White-nose syndrome disinfection protocols

PROJECT EXPERIENCE

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.

Team Leader/Biologist – EASTERN NORTH CAROLINA NORTHERN LONG-EARED BAT RESEARCH STUDY: 2017/2018. A fall/winter survey used to determine the distribution of the federally threatened northern long-eared bat (*Myotis septentrionalis*) in eastern North Carolina, further document fall/winter activity, and develop greater understanding of winter habitat use and behavior in the region.

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.

Project Manager – CLEAN LINE AND PLAINS PIPELINE: 2016. A linear summer survey for the federally endangered Indiana bat (*Myotis sodalis*) and threatened northern long-eared bat (*Myotis septentrionalis*) near known maternity colony trees, Multiple counties throughout eastern Arkansas.

Project Manager - ROVER PIPELINE: 2015. A linear summer survey for the federally endangered Indiana bat (*Myotis sodalis*) and threatened northern long-eared bat (*Myotis septentrionalis*) near known maternity colony trees, Multiple counties throughout Ohio and West Virginia.

Project Manager – TETRATECH PIPELINE: 2014. A linear summer survey for the federally endangered Indiana bat (*Myotis sodalis*), eastern small-footed bat (*Myotis leibii*) and northern long eared bat (*Myotis septentrionalis*) near known maternity colony trees, Multiple counties throughout southern PA.

Project Manager – AMEI COAL MINING: 2014. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area in Wallace, WV.

Project Manager – WILLIAMS PIPELINE: 2013. A linear summer survey for the federally endangered Indiana bat (*Myotis sodalis*) and northern long eared bat (*Myotis septentrionalis*) near known maternity colony trees, Multiple counties in western PA.

Project Manager – BLACK CASTLE MINING COMPANY: 2013. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) near known maternity colony trees, Boone County, WV.

Project Manager – REPUBLIC ENERGY CORPORATION: 2013. A summer, spring, and fall survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near a known colony, Fayette & Kanawha Counties, WV (Application No. S-3010-11).

Project Manager – COAL RIVER MINING: 2013. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed surface mine project area in Kanawha County, WV.

Project Manager – CARDNO MM&A: 2013. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed surface mine area in Raleigh County, WV.

Project Manager – BANDMILL COAL CORPORATION: 2013. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed surface mine in Logan County, WV.

Project Manager – NATIONAL RESOURCES: 2013. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed surface mine in Wyoming and McDowell County, WV.

Project Manager – ALPHA NATURAL RESOURCES: 2012. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) near known maternity colony trees, Boone County, WV.

Project Manager – ALPHA NATURAL RESOURCES: 2012. A summer, spring, and fall survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near a known colony, Fayette & Kanawha Counties, WV.

Project Manager – MARSHALL MILLER: 2012. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed fine coal refuse disposal facility near Wyoming, Wyoming County, WV.

Project Manager – ALPHA NATURAL RESOURCES: 2012. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near Stollings, Logan County, WV.

Project Manager – ALPHA NATURAL RESOURCES: 2012. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near Peytona, Boone County, WV.

Biologist – MARFORK COAL COMPANY: 2012. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed coal surface mine near Colcord, Raleigh County, WV.

Biologist – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) near known maternity colony trees, Boone County, WV.

Biologist – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near Cabin Creek, Kanawha County, WV.

Wildlife Technician – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed Browns Branch Surface Mine near Bandytown, Boone County, WV.

Wildlife Technician – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at the proposed Turkey Foot Surface Mine near Workman Creek, Raleigh County, WV.

Wildlife Technician – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near Pettus, Boone County, WV.

Wildlife Technician – MARSHALL MILLER: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed Toney Fork West Surface Mine near Lorado, Boone and Logan Counties, WV.

Wildlife Technician – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed Mt. McGuire Surface Mine near Hickory Camp Branch, Fayette County, WV.

Wildlife Technician – ALPHA NATURAL RESOURCES: 2011. A summer survey and winter habitat assessment for the federally endangered Indiana bat (*Myotis sodalis*) at a proposed project area near Abbott Creek, Kanawha County, WV.