

Bat Surveys

CEC provides comprehensive bat-related services to assist clients with endangered species issues. CEC's U.S. Fish & Wildlife Service-approved bat surveyors conduct habitat assessments and mist-net surveys for Indiana bats, gray bats and northern long-eared bats.



CEC provides bat surveys, project specific sampling plans, proven scientific data collection techniques, and detailed reports including all observations and possible mitigation options. All surveys are completed following strict adherence to the U.S. Fish & Wildlife Service (USFWS) survey protocols and allow regulators to issue timely concurrences. CEC's bat surveyors have both state and federal collection permits required to perform these surveys and can advise clients on feasible mitigation options.

When an endangered bat is captured during a survey, CEC utilizes radio telemetry equipment to monitor movement of the individual bat and possibly track the bat back to its roost tree or mine/cave. By utilizing the latest ultrasonic acoustic detection and analysis devices, scientists complete bat activity assessments, abandoned mine/cave surveys, species compilations, and bat migration activity analysis. CEC designs custom bat surveys to meet the specific needs of the natural gas, transportation, mining, power, and real estate industries.

PERSONNEL EXPERIENCE

CEC maintains an excellent rapport with USFWS while serving as advocates for clients. CEC has extensive experience completing mist-net, acoustic detector, and harp-trap surveys throughout the range of federally listed bat species of the eastern United States, including Indiana bats (*Myotis sodalis*), gray bats (*Myotis grisescens*) and northern long-eared bats (*Myotis septentrionalis*). CEC wildlife biologists have conducted numerous radio telemetry studies to determine bat foraging and roosting patterns and have frequently identified and assessed Indiana bat habitats as they relate to the preferential selection of roost trees and foraging areas. Several CEC biologists are considered leaders in the field of bat call analysis using acoustic detectors.

BAT-RELATED SERVICES

- Bat Habitat Assessments
- Bat Mist-net and Harp-trap Surveys
- Mine/Cave Portal Surveys
- Radio Telemetry and Tracking
- Acoustic Detection and Analysis

TECHNOLOGY

CEC's innovative data management professionals have developed a tablet application to enhance field data collection, allowing personnel to directly input data in real time while improving quality control and data analysis. Reports are delivered to regulators and clients faster, speeding up the regulatory process.