

Location:

Rays Town Lake Pennsylvania

Client:

United States Army Corps of Engineers

Dates:

May 2007 – August 2007

Present Status:

Complete

Project Type:

Bat Survey

Major Project Elements:

Mist-netting
Ground Radio Tracking
DNA Sampling
Habitat Assessments

Bat Species Inventory of the Rays Town Lake

Jackson Environmental was awarded a contract to collect baseline data including presence and/or probable absence of federally endangered Indiana bats (*Myotis sodalis*), study roost site characteristics and distributions, and collect DNA samples for genetic analysis.



The project area was surveyed for presence or probable absence of federally listed endangered bat species between July 23, 2007 and July 26, 2007. Eight net-site locations, selected by USACE, were surveyed for a total of 32 net-nights. Net sets were placed in areas that provided potential flight corridors that could serve as a natural funnel, which aids in capturing bats. These areas included small stream channels, unimproved roads, and small openings in forest interiors.

Methods used to the conduct summer mist net survey followed the mist netting guidelines (Appendix II) in the Agency Draft Indiana Bat (*Myotis sodalis*) Revised Recovery Plan (USFWS 1999).



A total of 34 bats comprised four species were captured during this study. This project was successfully completed on time and on budget