



Wildlife Research Specialist with the Iowa DNR

Are you interested in wildlife research, population ecology, and species conservation? The Wildlife Management Institute (WMI) is partnering with the Iowa Department of Natural Resources (DNR) to hire two (2) Wildlife Research Specialist positions to assist with a long-term wild turkey research project in southeast Iowa.

In 2021, the DNR began a 10-year study to investigate wild turkey population declines in Iowa. The project spans various areas of turkey ecology, including population demographics, nest success, hen and brood survival, genetics, habitat selection, predation, and avian diseases.

Under supervision of DNR wildlife research staff, these positions will serve as the primary field coordinators for turkey research across four study areas, which includes a diversity of field and office tasks. Successful candidates must possess excellent outdoors skills for collecting detailed and accurate field data, as well as, quantitative and spatial analysis skills to monitor bird locations, maintain databases, and produce professional reports for staff and partners.

Primary tasks for these positions include monitoring the daily movements, survival, and nest fates for GPS-marked wild turkeys; collecting eggs and carcasses, contacting private landowners, and assisting with wild turkey winter captures. Additionally, throughout the year these positions will assist other DNR wildlife staff with various other projects as interests and time allow, including prescribed fires; Canada goose, wood duck, and mourning dove banding; CWD sampling of white-tailed deer, and general habitat management work. The Iowa DNR is a diverse agency and successful candidates are encouraged to participate in additional professional opportunities and field work as available.

Salary: Starting salary is \$35,961 per year, based on education and experience. The positions are eligible for WMI 401(k) retirement benefits and WMI will provide workers' compensation, general liability protection, professional liability protection and unemployment insurance benefits. The positions do not include health insurance benefits.

Duration: These are limited 1 year term positions that may be extended. The successful candidate will be jointly employed by the WMI and the DNR, but stationed within the Iowa DNR's Wildlife Research Section with daily supervision by Iowa DNR staff.

Starting Date: The desired starting date is January, 2023, but is flexible as needed.

Duty Station/Location: One duty station will be located at the Iowa DNR research station in Chariton, Iowa. The other position will be located at either the Odessa Wildlife Unit headquarters in Wapello, Iowa (preferred), or Maquoketa Wildlife Unit headquarters in Green Island, Iowa.

Minimum Qualifications:

- Must possess a valid driver's license with a clean driving record
- A BS in Wildlife Ecology or a related field (MS preferred)
- A positive attitude and a passion for wildlife conservation
- Ability to work successfully in both extreme field conditions and office settings
- Possess a strong work ethic

Desired Skills:

- Experience tracking wild animals using radio telemetry equipment
- Experience working with large datasets and database programs
- Experience conducting wildlife field surveys and research in difficult environmental conditions

- Experience with data analysis in Program R
- Experience with ArcGIS programs, including ArcMap, ArcGIS Pro, and Field Maps
- Experience with trapping and handling of wildlife
- Strong organization and communication skills
- Ability to contact and maintain working relationships with private landowners
- Ability to work and complete field and office tasks independently
- Ability to work with and coordinate field work with DNR staff, partner agencies, and NGOs
- Ability and willingness to work long hours, weekends, and holidays, particularly during nesting seasons
- Experience writing and/or publishing technical reports and articles for peer-reviewed journals

Primary Job Duties:

- Download GPS locations and process data using ArcGIS and Program R
- Monitor turkey movements and survival using radio telemetry and GIS techniques
- Monitor nest incubation and investigate nest fates, including on weekends and holidays
- Investigate turkey mortalities
- Complete vegetation surveys at nest sites and paired random points
- Conduct flush counts with turkey broods
- Collect and preserve biological samples, including eggs and carcasses
- Collaborate with the project lead(s) and provide regular updates
- Work as part of a diverse team to capture and mark female wild turkeys
- Compile basic updates and statistical analyses from data collected during surveys
- Produce high-quality reports and/or peer-reviewed manuscripts as time allows or according to interests
- Routine equipment organization and preparation, and vehicle and facility maintenance
- Collaborate with DNR staff and external partners, such as academic institutions and NGO's

To apply please send a resume, cover letter, and contact information for three references to Chris Ensminger, Chris.Ensminger@dnr.iowa.gov. **Applications due by January 31, 2024.**