

JOB POSTING ANNOUNCEMENT



Title:	GIS Biologist
Position Class:	Conservationist I
FLSA Status:	Full Time/ Exempt/ Salaried
Reports to:	Spatial Ecologist- GIS Coordinator
Direct Reports:	None
Location:	Fort Collins
Salary:	\$40-45K commensurate with experience
Benefits:	This is a full-time position with a comprehensive benefits package (paid time off, 403b retirement plan, health, dental, and vision insurance)
Start Date:	December 1 st , 2020

About the Organization:

Bird Conservancy of the Rockies is a 501-c(3) non-profit headquartered at the Environmental Learning Center at Barr Lake State Park with a satellite office in Fort Collins and fieldwork outposts in the Great Plains Region. Bird Conservancy of the Rockies conserves birds and their habitats through an integrated approach of Science, Education, and Stewardship. Our work radiates from the Rockies to the Great Plains, Mexico and beyond.

Position(s) Overview:

Bird Conservancy is hiring a GIS biologist to provide spatial analysis support for our Avian Research Programs including Integrated Monitoring in Bird Conservation Regions (IMBCR) and Non-breeding monitoring. The GIS Biologist will be tasked with spatially balanced sample draws, study design development in collaboration with staff and partners, covariate extraction from diverse land cover data sources and cartography. Applicants are expected to have a strong background analyzing geospatial data using ArcGIS. Experience and/or proficiency writing R code for spatial analysis is strongly preferred. The GIS Biologist will be part of our integrative science program (14 scientists and ecologists) directly supervised by a Spatial Ecologist and under the oversight of the Director of Science Operations. The biologist will be based in Bird Conservancy's Fort Collins office; however, we will accommodate flex scheduling and telework with supervisor approval.

Essential Job Duties and Responsibilities:

- Analyze geospatial data, develop and maintain spatial data layers, databases and associated metadata using both ArcGIS and R
- Extract spatial covariates from diverse land-cover data sets (e.g., NLCD and Landfire, etc.)
- Use remote sensing products (e.g., Landsat and MODIS) to create spatial layers for ecological analysis
- Cooperate with the Science Team and partners to develop, design, and review research projects, including defining data needs and GIS outputs
- Produce professional cartographic materials for use in reports, presentations, and publications as well as reference materials for the development of new projects

Other Duties:

- Other duties and special projects as assigned.

Knowledge, Skills and Experience required (unless otherwise noted):

- BSc in the Natural Sciences (Biology, Ecology, etc.) or commensurate experience
- MSc degree and/or commensurate experience with spatial analysis in a natural resource setting
- Extensive experience (>2 years) with ArcGIS or class work equivalent.
- Proficiency coding in R preferably with spatial analysis
- Experience with USGS Global Visualization Viewer (GloVis)

- Experience with project management
- Proficiency in use of computer software including Excel, Access, Word, PowerPoint and the ability to quickly learn new software
- Knowledge of current avian monitoring protocols (study design and methodology)
- Willingness to work as a team member for a growing non-profit organization and supervise part-time personnel
- Effective written, verbal, and interpersonal communication skills.
- Must possess a valid Driver's License.

Physical Demands / Work Environment:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Ability to work in a standard office setting, with considerable sitting, standing and viewing of computer
- Mid-level stress
- Requires reaching continually throughout the workday (mouse, keyboard, telephone)
- May include lifting up to thirty (30) pounds of project gear on an infrequent basis- proper lifting techniques required
- Able to stand, walk, and hike for extended periods of time outside in all weather

Equal Opportunity Employer:

Bird Conservancy of the Rockies is an equal opportunity employer committed to creating a diverse work environment. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

To Apply:

Please submit your cover letter, resume and contacts for three references in ONE document to applicants@birdconservancy.org with "GIS Biologist" in the subject line. Applications will be accepted and reviewed on a rolling basis until the position is filled. Preference will be given to those applications that are submitted before October 30th, 2020.

NOTE: This job description is not intended to be an exhaustive list of all duties, responsibilities, or qualifications associated with the job. The employee will be required to follow any other instructions and to perform any other duties requested by their supervisor. Nothing in this job description shall create or is intended to create, or shall be construed to constitute a contract of employment, express or implied. Employees are held accountable for all duties of this job.