



September 4, 2019

## **GIS/Remote Sensing Analyst**

Southern Region- Ridgeland, Mississippi

Ducks Unlimited, Inc., the world's leading wetland and waterfowl conservation organization, is seeking a GIS/Remote Sensing Analyst to join our highly motivated Southern Region team.

The Analyst will be an integral addition to the regional conservation science and planning unit and will work collaboratively with staff across all departments. The successful candidate will be responsible for designing and maintaining Ducks Unlimited's Southern Region geographic information systems (GIS) data, geoprocessing scripts, and related applications. The position's duties include overseeing data management to include quality assurance/quality control (QA/QC), technical consulting, training, data analysis, cross-departmental and cross-regional collaboration. The position will also support geospatial analysis to identify and deepen our understanding of conservation priorities by 1) conducting spatial analysis and modeling, 2) acquiring, organizing, and developing spatial and tabular databases, 3) disseminating results as maps and tabular data, and 4) conveying an understanding of spatial analyses and results through oral communication, written reports, scientific publications, and other products. Analyses include, but are not limited to, quantifying relationships between diverse ecological or social data, conducting analyses of ecosystem representation and landscape connectivity, and assisting conservation planning staff in the development and application of geospatial models.

### **Primary Responsibilities/Duties**

- Data management including quality assurance and control
- Work with interdisciplinary teams to design and conduct landscape analysis projects
- Summarize analysis results in tables and maps to clearly communicate to diverse audiences
- Compile, organize, analyze, and disseminate spatial data
- Create maps that clearly display analytical results and conservation messages
- Clearly write the methods of GIS analyses for publications, science briefs, reports, and other forms of communication
- Generate maps for publications, posters, reports, PowerPoint presentations and other internal and external communication needs

### **Minimum Qualifications**

A Master's degree in GIS, Geography, Landscape Ecology, Natural Resources, Wildlife Management or related degree or a B.S. in similar fields and 3+ years of experience is desired.

### **Knowledge, Skills and Abilities**

#### **Knowledge of:**

- Spatial data, relational database management systems, and metadata
- ESRI software suite including: ArcGIS Desktop, ArcGIS Pro, ArcGIS Online/Portal, Survey 123, and Collector
- Cartographic principles, geographic projections, and data sources and formats
- Latest data processing techniques, analysis, and modeling
- Remote sensing and image analysis
- Python, R, JavaScript and version control is preferable but not required

**Skills in:**

- Preparing maps and drawings based on field data, aerial photography analysis, land surveys, etc.
- Analyzing and problem solving
- Data modeling and maintenance
- Customer service

**Ability to:**

- Provide excellent interpersonal, written and oral communication skills
- Balance, prioritize and organize multiple tasks
- Work collaboratively in teams and across organizations
- Synthesize feedback and adjust plans accordingly
- Develop and write technical documentation
- Develop geospatial models based on the best scientific knowledge available

To apply internally as an employee, log into <https://workforcenow.adp.com> with your employee credentials, click MYSELF, TALENT, CAREER CENTER and follow the prompts to APPLY. Attach a cover letter, resume and daytime contact information (email and phone numbers) for three professional references. For more information regarding this position, please contact Dale James, Ph.D. at 601-206-5449 or [djames@ducks.org](mailto:djames@ducks.org). To request application materials, contact Donna Walters at 601-956-1936 or [dwalters@ducks.org](mailto:dwalters@ducks.org).

**DUCKS UNLIMITED, INC. IS AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER**

It is the policy of Ducks Unlimited, Inc. to afford equal employment opportunity to all qualified persons regardless of race, color, religion, creed, national origin, ancestry, sex (including pregnancy, childbirth, lactation and related medical conditions), sexual orientation, gender, gender identity, gender expression, age (40 or over), disability (physical, mental or visual), genetic information, marital status (including registered domestic partnership status), military and veteran status, immigration status, or any other category protected by federal, state or local law.