



**INTERNATIONAL  
CRANE FOUNDATION**



**ENDANGERED  
WILDLIFE TRUST**  
Protecting forever, together.

## **Agricultural GIS & Monitoring Specialist Vacancy**

### **PURPOSE OF THE POSITION:**

Provide spatial analysis, digital monitoring development and data management support to the carbon and stewardship programme. Lead the development and management of spatial datasets, farm mapping systems and digital monitoring tools that support agricultural management, carbon verification and biodiversity monitoring across participating farms.

The Agricultural GIS & Monitoring Specialist will integrate agricultural production, grazing management and biodiversity datasets into spatial systems that support decision-making and verification reporting. The role includes developing practical digital data capture tools and basic field applications that enable farmers and project staff to capture monitoring information directly from mapped farm management units, enabling improved management and data collection.

### **KEY RESPONSIBILITIES:**

#### **Spatial Data & Monitoring Systems**

- Develop and maintain spatial datasets for carbon monitoring, agricultural production systems and biodiversity indicators.
- Produce detailed farm-level maps showing grazing camps, infrastructure, wetlands, habitat areas, soils and management units.
- Develop digital data capture tools and basic mobile applications linked to farm maps to support field monitoring.
- Manage Survey123, ArcGIS Field Maps or similar platforms for field data capture and monitoring workflows.
- Ensure spatial datasets remain accurate, up to date and aligned with farm management planning and carbon project requirements.

#### **Carbon Project Support**

- Support MRV data integrity and audit readiness for carbon verification cycles.
- Develop spatial workflows that improve traceability of soil carbon outcomes across participating farms.
- Assist in building data pipelines that connect farm monitoring data with verification reporting requirements.
- Produce spatial analysis outputs for reporting, verification and stakeholder engagement.

## **Biodiversity & Habitat Monitoring**

- Integrate crane habitat monitoring datasets into spatial systems.
- Support spatial analysis of species monitoring data and habitat condition indicators.
- Assist in mapping Protected Environment opportunities and stewardship planning across project landscapes.
- Support spatial interpretation of veld condition and habitat monitoring trends.

## **Reporting & Communication**

- Develop dashboards, maps and data summaries that support project decision-making.
- Translate complex spatial outputs into practical information usable by farmers and project staff.
- Support communication of monitoring results through visual spatial outputs and reporting tools.
- Assist with development of visual monitoring tools that help farmers understand grazing and habitat trends.

## **Other Duties**

- Maintain spatial databases and ensure precise spatial record-keeping.
- Assist in preparing monitoring datasets needed for carbon verification cycles.
- Offer spatial assistance for onboarding new project participants and updating farm mapping.
- Assist in analysing biodiversity monitoring datasets where necessary.
- Support internal reporting, dashboards and technical presentations.
- Participate in field visits where spatial verification or mapping support is required.
- Create spatial tools that aid in monitoring biodiversity enhancements as signs of landscape recovery.
- Provide spatial support for crane monitoring under the Drakensberg Crane Conservation Programme as needed.
- Assist with mapping and spatial planning for the expansion of Protected Environments.
- Provide technical input for farmer engagement meetings where spatial data assists in farm planning.
- Promote farmer adoption of digital monitoring tools connected to mapped farm management units.

## **COMMON ADMINISTRATIVE & COMPLIANCE DUTIES**

- Adhere to all project requirements, budgets and reporting timelines.
- Submit monthly and ad hoc reports timeously and to the required standard.
- Maintain high standards of administrative recordkeeping, including monitoring records and expense claims.

- Maintain and care for all project assets and equipment in line with EWT policies.
- Consistently project a positive image of EWT and foster effective communication across all levels.

### **Minimum Qualifications & Experience**

- Degree in GIS, Agriculture, Environmental Science, Geography or related field.
- Minimum 3–5 years of GIS or environmental monitoring experience.
- Strong proficiency with ArcGIS, QGIS and mobile GIS platforms.
- Experience developing digital data capture tools such as Survey123, Field Maps or similar systems.
- Experience with agricultural or rangeland systems preferred.
- Basic knowledge of Python, R or database systems is advantageous.
- Familiarity with carbon projects or environmental monitoring is desirable.
- Experience in farm mapping, grazing planning or physical farm layout interpretation.
- Language requirement: Fluent in Afrikaans and English (spoken and written).

### **Why work for us?**

By working for one of the most effective conservation, NGOs in the region, working for the EWT offers the opportunity for growth, personal satisfaction, and fulfilment. We are a highly congenial organisation focusing on staff empowerment, individual development, and building strong relationships. This position is based at the EWT head office in Midrand, Johannesburg. In line with EWT policies, we offer flexible working hours and arrangements, competitive salary and benefits (in line with our sector), and a chance to be part of a strong team of committed conservationists.

Applicants are requested to submit a CV and a detailed cover letter motivation as to how and why they would be the best possible candidate for this position. Only shortlisted candidates will be contacted within 20 days of the closing date. The EWT reserves the right not to make an appointment. All applications will be treated in the strictest confidence. **Closing date for applications 31 March 2026.** To apply please e-mail your CV and a detailed motivation letter to [Application link](#). Applicants who will not have heard from the International Crane Foundation **by 6 April 2026**, should consider their application unsuccessful.