



**INTERNAL & EXTERNAL
GEOGRAPHICAL INFORMATION SYSTEMS ANALYST
SCIENTIST (PRODUCTION) GRADE C
SCIENTIFIC SERVICES – PIETERMARITZBURG
POST NUMBER: 352811**

TOTAL REMUNERATION PACKAGE: R925 146.00 p/a

The KwaZulu-Natal Nature Conservation Board, trading as Ezemvelo KZN Wildlife, is a PFMA Schedule 3C public entity established in terms of the KwaZulu-Natal Nature Conservation Management Act (Act No. 9 of 1997).

THE ENTITY:

The entity is responsible for the management of nature conservation within the Province of KwaZulu-Natal including protected areas as well as the development and promotion of ecotourism and facilities within the protected areas. Ezemvelo KZN Wildlife wishes to appoint a suitable candidate for the position of GIS Analyst.

PURPOSE OF THE JOB:

To provide specialist technical spatial mapping and analysis at Ezemvelo KZN Wildlife's Head Office at Queen Elizabeth Park, Montrose, Pietermaritzburg.

QUALIFICATIONS

- A Degree (or equivalent NQF 7 qualification) in Natural or Life Sciences, Ecology, Biology or Botany, BSc in Geospatial Science or Geoinformatics.
- A postgraduate degree in an appropriate discipline will be an added advantage.
- Registration with a legislated professional regulatory body such as the South African Geomatics Council (SAGC) is desirable.

EXPERIENCE

- Minimum of 8 years of work experience in a relevant field, 4 years of which should be spatial analysis or first line of management of Geographical Information Systems (GIS) Projects of which 4 years of which should be first line management position(s).

KEY PERFORMANCE AREAS

- Source, develop, and manage spatial data.
- Undertake advanced spatial analyses to support Ezemvelo KZN Wildlife projects. Co-ordinate and undertake analyses required to develop and revise the relevant systematic conservation plans
- Keep abreast of national and international developments in systematic conservation planning and ensure that these are being used in achieving KZN's systematic conservation plan.

- Acquire, develop and update GIS layers that are required at provincial level for Ezemvelo KZN Wildlife Scientists to undertake appropriate spatial analysis.
- Guide Ezemvelo KZN Wildlife scientists on appropriate spatial analysis for various projects.
- Execute Geographical Information Systems (GIS) technical support to Ezemvelo KZN Wildlife and its stakeholders related to mapping and GIS analysis. Generating, amongst others, the KZN Biodiversity Plan and/or Systematic Conservation Plans (CPLAN), critical biodiversity area maps, strategic protected area establishment maps, and water production areas.
- Contribute to local and provincial spatial development frameworks, local land use schemes, rural development plans, environmental management frameworks, and the like.
- Contribute to the State of Biodiversity Report.
- Determine priority areas for protected area expansion,
- Determine buffers, zones of influence for protected areas,
- Undertake mentoring and capacity building on spatial analysis and GIS data management. Interpret spatial information for science communication. and
- Responsible for GIS technicians, , student, and intern supervision and mentoring.

KEY COMPETENCIES REQUIRED

- Knowledge of applicable legislation, legal processes, and legal framework.
- A strong command of the English language (verbal and written) which includes technical and narrative writing.
- Meticulous approach to collection and verification of data and information.
- Extensive experience working with spatial data layers related to biodiversity (marine and terrestrial) and other ecological and environmental infrastructure maps.
- Comprehensive knowledge of spatial and non-spatial data analysis skills including data collection, data management, data flow, spatial analysis, and cartography.
- Evidence of experience in technical analysis skills in GIS or using spatial packages of R or Python is essential.
- Extensive experience in leading and managing spatial projects.
- Understanding of research processes and outputs. knowledge of the science-policy interface.
- Knowledge of biodiversity conservation priorities. in-depth understanding of national and global biodiversity conservation.
- Knowledge of legislation pertaining to biodiversity conservation.

- Project management knowledge, coordination, and skills.
- Ability to maintain sound interpersonal relations. and
- Be in possession of a valid unendorsed and valid Code B driver's license, as well as be willing to travel and participate in research in the field.

DIRECTIONS TO APPLYING CANDIDATES:

The following **mandatory documents** must be submitted.

- a) Fully completed Ezemvelo Application Form for Employment (available from <http://www.kznwildlife.com/careers>)
- b) Applications without Ezemvelo Application Form and incomplete forms **will not** be considered.
- c) Only shortlisted candidates will be required to submit certified application supporting documents, including qualifications certificates, Driver's License, Identity Document (ID) etc.

The appointment to the post is subject to a positive outcome obtained from all verifications in relation to the position advertised.

Applicants are encouraged to apply for posts through the KZN online e-Recruitment system at www.kznonline.gov.za/kznjobs or submit their Ezemvelo application form directly to the following email address recruitments@kznwildlife.com.

Applicants may also visit any KZN Department's and Public Entity's Designated Online Application Centres (DOACs) where staff will assist you with applying for jobs on the KZN online e-Recruitment system or receiving your hardcopy application.

You can find the list of Designated Online Application Centers (DOACS) at www.kznonline.gov.za/kznjobs.

Please note that applicants should only use one of the following methods when applying for a post:

- either through the online e-Recruitment system,
- emailing Ezemvelo application form directly to recruitments@kznwildlife.com
- submit a hardcopy application to one of the Designated Online Application Centres (DOACS)

For any queries relating to this job-application please contact Recruitment Office on **033 845 1761** during office hours.

Closing Date: 14 February 2025

Applications received after the closing date will **not** be considered. Applicants not contacted within 30 days of the advertisement closing date should consider their applications unsuccessful.

Selection will be made in terms of the Organization's Employment Equity Plan and Preference will be given to members of designated groups. Ezemvelo KZN Wildlife reserves the right not to make the appointment towards this post.