

CONTACT DETAILS

Name of Company	CES – Environmental and Social Advisory Services
Designation	Ecologist
Profession	Botanist/Ecologist
Years with firm	Start 7 November 2023
E-mail	Wendy.maiwashe@cesnet.co.za
Office number	N/A
Mobile	+27 815875391
Nationality	South African
Professional Body	<ul style="list-style-type: none">➤ South African Association of Botanists➤ SACNASP (126672): South African Council for Natural Scientific Profession (Application in review)➤ APECS: Association of Polar Early Career Scientists
Key areas of expertise	<ul style="list-style-type: none">➤ Botany➤ Terrestrial Ecology➤ Wetland Ecology➤ Land Information Technology➤ ESG➤ Technical report writing➤ Statistics for ecology➤ Natural asset delineation and assessments➤ Botanical assessments and reviews➤ GIS and remote sensing➤ XRD and XRF analysis➤ Wetland offsetting

PROFILE

Wendy Maiwashe is an experienced ecologist. Her contributions as an ecologist and GIS technician have been significant in four major conservation areas in South Africa, namely Vhembe Biosphere Reserve, Drakensberg Nature Valley, Maloti-Drakensberg Transfrontier Biosphere Reserve and Sub-Antarctic Prince Edward Islands. She has also worked on projects across the SADC region and made contributions in various Transfrontier Conservation areas namely Great Limpopo TFCA (GLTFCA), Lubombo TFCA (LuTFCA), Kavango Zambezi TFCA (KAZA), Malawi-Zambia TFCA (MAZA) and now more recently Lower Zambezi – Mana Pools (LZMP). Moreover, she was part of a 14-month research expedition team to the sub-Antarctic Marion Island where she was a botanist. This is complemented by her expertise in plant identification, conducting large scale botanical surveys, managing, and analysing large ecological databases, the programming language R, and GIS software.

Her M.Sc. Plant sciences focus was on plant distributions and abundances in the sub-Antarctic Islands. With a focus on identifying the drivers of plant distribution and abundance patterns in the sub-Antarctic region and documenting the abundance structure of *Polypogon magellanicus* on Marion Island.

**EMPLOYMENT
EXPERIENCE**

- 2023 – Present: Ecologist, Coastal and Environmental Services (Pty) Ltd.
- Feb 2023 – Oct 2023: Systems Ecologist, Prime Africa Consult
- March 2019 – May 2020: Marion Island Botanist, University of Pretoria
- June 2018 – Dec 2018: Field Ecologist, University of Johannesburg
- Jan 2018 – May 2018: Research Assistant, Fort Hare University

**ACADEMIC
QUALIFICATIONS**

- M.Sc. Plant Sciences, University of Pretoria, 2023
- B.Sc. Hons Environmental Sciences, University of Venda, 2017
- B.Sc. Environmental Sciences, University of Venda, 2016

COURSES

MOOC Spatial Data Science: The New Frontier in Analytics - Esri
Deep Learning Using ArcGIS Pro - Esri
Performing Accuracy Assessment for Image Classification - Esri
Performing Unsupervised Pixel-Based Image Classification - Esri
Performing Supervised Pixel-Based Image Classification - Esri
Performing Supervised Object-Based Image Classification – Esri
Corporate Finance: Environmental, Social, and Governance (ESG) - National Association of State Boards of Accountancy (NASBA)

**CONSULTING
EXPERIENCE**

WRC: Framework for Integrating Green Infrastructure into Formal Urban Management Systems
WRC: WRC: Mine closure management
ESKOM: Kendal Wetland Compensation strategy
ESKOM: 30-year Ash dump Wetland Offset
PPF: EbA for Maputo National Park
PPF: 2030 Strategy TFCA corridors CBA
CEFAS: Mapping of the aquatic food system in South Africa under the One
CEFAS: Mapping of the food crop system in South Africa under the One Food
UNEP: Economic valuation and potential investment opportunities for the Trans-Boundary Conservation Area (TBCA) between Kenya and Tanzania (Kenya/Tanzania)
Prof. Richard Mulwa: Development of Spatial Data on the Key Marine Ecosystem Assets in Kenya
USAID: Assessment of the Impacts of illegal Wildlife trade (IWT) on ecosystem services and functioning
Anglo De Beers: Venetia Water Stewardship Project
GIZ: Bioprospecting and Biotrade Market Analysis

PUBLICATIONS

The abundance structure of *Polypogon magellanicus* on Marion Island (submitted to journal)

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.



Wendy Maiwashe

Date: 19/10/2023