

CONTACT DETAILS

Name of Company	CES – Environmental and Social Advisory Services
Designation	Centurion Branch
Profession	Principal Environmental Consultant, Terrestrial Ecologist, Wetland Ecologist
Years with firm	5 Years
E-mail	a.gouws@cesnet.co.za
Office number	+27 (0)10 045 1372
Nationality	South African
Professional Affiliations	<ul style="list-style-type: none">• South African Council for Natural Scientific Professions (SACNASP) (<i>Pri.Sci.Nat</i> 121901)• International Association of Impact Assessment (IAIASa)
Key areas of expertise	<ul style="list-style-type: none">• Environmental Authorisations• Geographical Information Systems (GIS)• Terrestrial Ecology• Wetland Ecology• Database Management

PROFILE

Mr Aidan Gouws

Aidan obtained his MSc in Environmental Science (*Cum laude*) from Rhodes University, having conducted research on the spatio-temporal dynamics of *Acacia dealbata* invasions and broader land-use and cover changes in the northern Eastern Cape, funded through a study bursary awarded by the Agricultural Research Council (ARC). Prior to this, he obtained his BSc Honours in Geographical and Environmental Sciences (*Cum laude*) from the University of Pretoria, studying plant ecology and EIA methodology amongst others. Since joining CES in 2018, he has been involved in several projects, including Basic Assessments (BA), Full Scoping and Environmental Impact Assessments (S&EIA), Environmental Amendment Applications, Environmental Audits and Resettlement Action Plan (RAP) Audits. He works from the Centurion office as a Principal Environmental Consultant and Ecologist. His interests include the general Environmental Impact Assessment (EIA) process, terrestrial and wetland ecology, and database management. Aidan is registered with the South African Council for Natural Scientific Professions (SACNASP) as an Environmental Scientist (*Pri.Sci.Nat.* 121901) and with the International Association for Impact Assessments (IAIA).

**EMPLOYMENT
EXPERIENCE**

**Principal Environmental Consultant – Coastal and Environmental Services
(Centurion)**

August 2022 – Current

- Consulting, project management and conducting assessments in the broad field of Environmental Management, including Basic Assessments, full Scoping and Environmental Impact Assessments, Environmental Management Programmes and Environmental Auditing.
- Ecological Impact Assessments
- Wetland Impact Assessments
- GIS Mapping
- Database Management

**Senior Environmental Consultant – Coastal and Environmental Services
(Centurion)**

August 2020 – July 2022

- Consulting, project management and conducting assessments in the broad field of Environmental Management, including Basic Assessments, full Scoping and Environmental Impact Assessments, Environmental Management Programmes and Environmental Auditing.
- Ecological Impact Assessments
- Wetland Impact Assessments
- GIS Mapping
- Database Management

Environmental Consultant – Coastal and Environmental Services (Centurion)

July 2018 – July 2020

- Consulting, project management and conducting assessments in the broad field of Environmental Management, including Basic Assessments, full Scoping and Environmental Impact Assessments, Environmental Management Programmes and Environmental Auditing.
- Ecological Impact Assessments
- GIS Mapping
- Database Management

Volunteer – Khulisa Social Solutions (Johannesburg)

May 2018 – July 2018

**Departmental tutor - Department of Environmental Science, Rhodes
University (Grahamstown)**

January 2016 – December 2017

Demonstrator - Department of Plant Science, University of Pretoria (Pretoria)

July 2015 – December 2015

**ACADEMIC
QUALIFICATIONS**

- 2014 - BSc Environmental Science (University of Pretoria)
- 2015 - BSc (Hons) Geographical and Environmental Science (University of Pretoria)
- 2018 - MSc Environmental Science (Rhodes University)

COURSES

- 2020 - Tools for Wetland Assessment (Rhodes University, in association with GroundTruth, The Water Research Commission and Verdant Environmental) August 2020

PUBLICATIONS

- Gouws, A. J., & Shackleton, C. M. (2019). A spatio-temporal, landscape perspective on *Acacia dealbata* invasions and broader land use and cover changes in the northern Eastern Cape, South Africa. *Environmental Monitoring and Assessment*, 191(2), 74.
- Gouws, A. J., & Shackleton, C. M. (2019). Abundance and correlates of the *Acacia dealbata* invasion in the northern Eastern Cape, South Africa. *Forest Ecology and Management*, 432, 455-466.

PROFESSIONAL EXPERIENCE

BASIC ASSESSMENTS

SANRAL R573 Section 1 Phase 2A and 3A Road Upgrade from Baviaanspoort Road to PWV2 the Interchange, Pretoria, Gauteng Province, 2022–

Basic Assessment for the upgrade of the R573 Section 1 Road Upgrade from Baviaanspoort Road to PWV2 the Interchange in Pretoria, Gauteng Province. Assigned the role of project manager.

SANRAL Masekwaspoort N1 Road Upgrade BAR Authorisation, Musina, Limpopo Province, 2018–2019, 2022–

Basic Assessment for the upgrade of the N1 between Louis Trichardt and Musina. Assigned the role of project co-manager, Ecological Specialist and co-author of the Basic Assessment Report.

Eskom Mesong 400Kv Loop in Loop-out Powerline, Gauteng Province, 2021–2022

Basic Assessment for the development of the 400 kV LILO Powerline in the Modderfontein area, Gauteng Province. Assigned the role of Terrestrial Ecologist, Wetland Ecologist and co-author of the Basic Assessment Report.

Eskom 132 kV Ganspan Pering powerline in the Pampierstad area, in the Northern Cape and North West Provinces, 2021–2022

Basic Assessment for the development of the 132 kV Powerline in the Pampierstad area, in the Northern Cape and North West Provinces. Assigned the role of Wetland Ecologist and co-author of the Basic Assessment Report.

Sturdee Energy Solar PV Plants at PPC Cement Facilities, South Africa, 2020–2022

Two Basic Assessments for the proposed solar PV plants at the PPC Dwaalboom and PPC Slurry Facilities, located in the Limpopo and North West Provinces, respectively. Assigned the roles of co-project manager, Terrestrial Ecologist and Wetland Ecologist.

SANRAL R516 Section 1 Road Upgrade (R511-Tooysspruit and Tooysspruit-Bela Bela), Limpopo Province, 2021–

Two Basic Assessments for the upgrade of two sections of the R516-01, as well as a Basic Assessment for the associated mining of a quarry. Assigned the role of project manager.

Ramotshere Moiloa Local Municipality Residential Extensions, Zeerust, North West Province, 2019–2020

Two Basic Assessments for the proposed extension of two residential extensions in Zeerust, North West. Assigned the roles of project manager, PPP manager, Terrestrial Ecologist and lead author of the Basic Assessment Report.

SANRAL Koster R52 Road Upgrade, Koster, North West Province, 2018–2021

Basic Assessment for the road upgrade of the R52 route between Koster and the N4 Rustenburg. Assigned the roles of project manager, PPP manager, Terrestrial Ecologist, Wetland Ecologist and lead author of the Basic Assessment Report.

Transnet Freight Rail Installation of Telecommunications Masts and Associated Infrastructure at Various Locations in South Africa, 2019–2020

Three Basic Assessments for the installation of telecommunications masts in Gauteng, Mpumalanga and KwaZulu-Natal. Assigned the roles of project manager, PPP manager and lead author of the Basic Assessment Report.

PRASA CRES Establishment of Township Leralla Extension 1, Tembisa, Gauteng Province, 2019–2020

Basic Assessment for the proposed township establishment at Leralla Station in Tembisa, Gauteng Province. Assigned the roles of project manager, PPP manager and lead author of the Draft Basic Assessment Report.

FULL SCOPING AND ENVIRONMENTAL IMPACT ASSESSMENTS

SANRAL Zandkraal-Winburg N1 Road Upgrade Quarry S&EIR Authorisation, Winburg, Free State Province, 2018–2022

Full Scoping and Environmental Impact Assessment for the mining of borrow pits and quarries associated with the upgrade of the N1 between Zandkraal and Winburg South. Assigned the roles of project manager, PPP manager and lead author of the Scoping Report and Environmental Impact Assessment Report.

SANRAL Masekwaspoort N1 Road Quarry S&EIR Authorisation, Musina, Limpopo Province, 2018–2019, 2022–

Full Scoping and Environmental Impact Assessment for the mining of borrow pits and quarries associated with the upgrade of the N1 between Louis Trichardt and Musina, Limpopo Province. Assigned the role of project manager, Ecological Specialist and co-author of the Scoping Report.

ENVIRONMENTAL SCREENING

Eskom Lesokwana Substation and Associated Powerlines, Gauteng Province, 2021–2022

Detailed environmental screening process for the development of the Lesokwana substation and associated powerlines in the Gauteng Province. Assigned the roles of project manager, Terrestrial Ecologist, Wetland Ecologist and lead author of the detailed screening report.

ENVIRONMENTAL AMENDMENT APPLICATIONS

SANSA Space Operations Installation of Satellite Antennae on Farm Hartebeesthoek 502JQ, Gauteng Province, 2019–2021

Amendment of Environmental Authorisation for the installation of satellite antennae at the South African National Space Agency (SANSA) Space Operations facility. Assigned the roles of client liaison, Terrestrial Ecologist, Assistant Wetland Ecologist and lead author of the Amendment Report.

WATER USE AUTHORISATION (WUA) APPLICATIONS

Door of Hope Village Estate for Abandoned and Orphaned Children on Farm Hartsenberfontein 332, De Deur, Gauteng, 2020–

Integrated Water Use Licence Application (WULA) under Section 21(a)(c)(e)(f)(g) of the National Water Act, 1998 (Act 36 of 1998) for the development of a village estate for abandoned and orphaned children. Assigned the role of WULA manager.

SANRAL Koster R52 Road Upgrade, Koster, North West Province, 2021–

Section 21(c)(i) General Authorisation Application for the road upgrade of the R52 route between Koster and the N4 Rustenburg. Assigned the roles of project manager, Wetland Ecologist and WUA manager.

Sturdee Energy Solar PV Plants at PPC Slurry Cement Facility, North West Province, 2021–2022

Section 21(c)(i) General Authorisation Application for the proposed solar PV plants at the PPC Slurry Facility, located near Mahikeng in the North West Province. Assigned the roles of co-project manager, WUA manager and Wetland Ecologist.

ENVIRONMENTAL AUDITING

SANRAL R510 Section 2 Thabazimbi-Bierspruit, Limpopo Province, 2021–

Environmental Auditing for the upgrade of the R510-02 road between Thabazimbi and Bierspruit. Assigned the roles of project manager and reviewer of audit reports.

SANRAL R33 Section 14 Vaalwater-Lephalale Road Upgrade ECO Audits, Limpopo Province, 2021–

Environmental Auditing for the upgrade of the R33-14 road and associated bridges and culverts between Vaalwater and Lephalale. Assigned the roles of project manager and lead ECO.

SANRAL Hendrina N11 Road Upgrade ECO Audits, Hendrina, Mpumalanga Province, 2018–2019

Environmental Auditing for the construction of the road and mining of borrow pits associated with the upgrade of the N11 route between Hendrina and Hendrina Power Station. Assigned the roles of ECO, author of ECO audit reports and author of the borrow pit closure report

South African National Biodiversity Institute (SANBI) Office Complex Development, Pretoria, Gauteng Province, 2018

Environmental Auditing for the construction of the Office Complex at the Pretoria National Botanical Gardens. Assigned the roles of interim ECO and co-author of ECO audit reports.

RISK ASSESSMENTS

PRASA CRES Inhlanzane Risk Assessment, Jabulani (Soweto), Gauteng, 2019

Social and Environmental Risk Assessment of the Illegal Occupation of the Rail Reserve near Inhlanzane Station - Jabulani (Soweto), Gauteng. Assigned the roles of project manager and lead author of the Risk Assessment Report.

RESETTLEMENT ACTION PLAN (RAP) AUDITING

Millennium Challenge Account Malawi (MCA-M) RAP Audits, 2018–2019

Completion audits for six Resettlement Action Plans (RAPs) conducted for the Infrastructure Development Project in Malawi. These RAPs documented the physical and economic displacement impacts and compensation for assets of people affected by wayleave corridors along 400kV, 132kV, 66kV and 33kV OHLs, as well as for substations and permanent access roads. Assigned the roles of database support, auditor, training assistant and assistant author. Later assigned the role of database manager.

DATABASE MANAGEMENT

Kenmare Nataka TSF and MGA EIA and RAP, Mozambique, 2022–

Environmental Impact Assessment (EIA) and Resettlement Action Plan (RAP) for the proposed Nataka Heavy Minerals Deposit Project in the Nampula Province of Mozambique. Assigned the roles of data analyst and database manager.

LHDA Socio-Economic and Epidemiology Study, Lesotho, 2022

Social-Economic and Epidemiological Impact Surveys for Phase 1 of the Lesotho Highlands Water Project (LHWP) in Lesotho. Assigned the role of database manager.

FG Gold Baomahun Gold Project Supplementary ESIA Addendum and RAP, Baomahun, Sierra Leone, 2022

Environmental and Social Impact Assessment (ESIA) and Resettlement Action Plan (RAP) for the proposed FG Gold Baomahun Gold Project in Sierra Leone. Assigned the roles of data analyst and database manager.

Eswatini Electricity Company (EEC) 132kV Powerline ESIA and RAP, 2020–2022

Environmental and Social Impact Assessment (ESIA) and Resettlement Action Plan (RAP) for the proposed 132kV powerline in the Shiselweni Region of Swaziland. Assigned the roles of data analyst and database co-manager.

SPECIES-SPECIFIC MONITORING

SANRAL *Aloe simii* Propagation Study, White River, Mpumalanga Province, 2018-2022

Three-year propagation study of the critically-endangered *Aloe simii*, endemic to White River, Mpumalanga. Responsible for seed collection, planting and monitoring the growth of the trial populations.

SPECIALIST ASSESSMENTS

Terrestrial biodiversity and ecological impact assessments:

- SANRAL Masekwaspoort N1 Road BAR and Quarry S&EIAR Authorisation, Musina, Limpopo Province, 2022–
- Anglo American Borwa Vent Shaft Construction, Limpopo, 2021–2022
- Eskom Mesong 400Kv Loop in Loop-out Powerline, Gauteng, 2021–2022
- Eskom Lesokwana Substation and Associated Powerlines, Gauteng Province, 2021
- Sturdee Energy Solar PV Plants at PPC Cement Facilities, South Africa, 2021
- SANRAL Koster R52 Road Upgrade, Koster, North West Province, 2020
- SANSA Space Operations Installation of Satellite Antennae on Farm Hartebeesthoek 502JQ, Gauteng Province, 2020
- Ramotshere Moiloa Local Municipality Residential Extensions, Zeerust, North West Province, 2019

River and wetland impact assessments:

- FG Gold Baomahun Gold Project Supplementary ESIA Addendum, Baomahun. Sierra Leone, 2022-
- Atlantic Energy Britstown Wind Energy Facility (WEF) Cluster, Northern Cape, 2022-
- Anglo American Borwa Vent Shaft Construction, Limpopo, 2021–2022
- Diamcor Diamond Mine Mining Expansion Project, Limpopo, 2021–2022
- Bosch Projects Jan Kleynhans Water Treatment Works Subsoil Drain, Grahamstown, Eastern Cape, 2021–
- Eskom 132 kV Ganspan Pering powerline in the Pampierstad area, in the Northern Cape and North West Provinces, 2021
- Eskom Lesokwana Substation and Associated Powerlines, Gauteng Province, 2021
- De Beers Venetia Mine Stormwater Management Project, Limpopo, 2021
- Sturdee Energy Solar PV Plant at PPC Slurry, North West, 2021
- T4 Mining Project in the Dr Pixley Ka Isaka Seme Local Municipality, Mpumalanga, 2021
- Birmingham Mining Project in the Steve Tshwete Local Municipality, Mpumalanga, 2020-2021
- SANSA Space Operations Installation of Satellite Antennae on Farm Hartebeesthoek 502JQ, Gauteng, 2020
- SANRAL Koster R52 Road Upgrade, Koster, North West, 2020

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.



Aidan John Gouws

Date: February 2023