

PERSONAL DETAILS

Full Names: Fredrika Ndeutala Shagama

Profession: Environmental Assessment Practitioner
(Consultant) & Hydrogeologist / Geohydrologist

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Nationality: Namibian

**PROFESSIONAL PROFILE, CORE SKILLS AND EXPERTISE**

Fredrika is an Environmental and Water Consultant with over 10 years of experience in Environmental and Groundwater Consulting in infrastructural development, water, energy, waste management, agriculture, and mining sectors, with experience in Namibia, South Africa, and the Czech Republic (environmental hydrogeology-related projects). She is a registered Environmental Assessment Practitioner with the Environmental Assessment Professionals of Namibia (EAPAN), Membership No. 183, and Geoscience Council of Namibia (GSCN) – Geoscientist, Registration No. GSCN/G-057 who is passionate about the environment and water resources, and can work individually or in a team. Fredrika's core skills in the environmental management field are in conducting Environmental & Social Impact Assessments (ESIAs) or simply Environmental Impact Assessments (EIAs), development of Environmental & Social Management Plans (ESMPs or simply known as EMPs), Environmental monitoring and ECC renewals, facilitating EIA public consultation meetings and stakeholders' engagement, as well as incorporating specialists' inputs to ESIAs/EIAs that are both funded locally or internationally. She has a very good understanding and knowledge of the national environmental laws governing different existing and new project activities; thus, she has been involved in numerous EIA studies for the private and public sectors all over Namibia. Her core expertise in groundwater resources management includes exploration, impact assessment, permit applications, supply, and investigations in projects.

PROFESSIONAL MEMBERSHIPS (AFFILIATIONS)

- **Geoscience Council of Namibia (GSCN)** – Geoscientist, Registration No. GSCN/G-057 <https://geocouncil.org.na/mem-members.php>
- **International Association of Hydrogeologists** - Full Member No.139790 https://iah.org/wp-content/uploads/2019/05/IAHSpring2019Newsletter_web.pdf on page 19
- **Namibian Hydrogeological Association** - Member, <http://namhydro.com/wp/members/>
- **Environmental Assessment Professionals of Namibia (EAPAN)** - Practitioner Membership No. 183, <http://eapan.org/registered-members>,

PROFESSIONAL COURSES OR TRAINING ATTENDED

- Groundwater Flow Modelling with GMS (MODFLOW, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015
- Groundwater Investigations and Supply Assessment for Technical Reporting and EIA Report Compilation, GCS Water & Environment Consultants & GCS Namibia (Pretoria, 2016 & Windhoek, 2016)
- Hydrocarbon Contamination Assessment (Field Procedures and Report Writing), GCS Water & Environment Consultants (Pretoria, 2016)
- Social Impact Assessment: Stakeholders & Community Engagement Training and Procedures (GCS Namibia, 2017)

EDUCATIONAL QUALIFICATIONS

Educational Institution	Qualification obtained	Study period
VSB - Technical University of Ostrava, Czech Republic	PhD. Student: Civil Engineering (Geotechnics & Environmental Hydrogeology)	2020 (ongoing)
International University of Management (IUM), Namibia	Post Graduate Diploma in Environmental Studies	2024-2025
VSB - Technical University of Ostrava, Czech Republic	MSc. Geological Engineering (Cum Laude) – with a primary focus in Hydrogeology Thesis title: <i>Groundwater Pollution Transport from Tsumeb Copper Smelter in Namibia</i> Professional course attended: Groundwater Flow Modelling with GMS (MODFLOW, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015	2013 - 2015
VSB - Technical University of Ostrava, Czech Republic	BSc. Geological Engineering Mini thesis title: <i>Water Quality Prediction in the Skorpion Mine Pit Lake in Namibia</i>	2010 - 2013
Charles University in Prague, Marianске Lazne Study Centre (UJOP), Czech Republic	Certificate Level B2 , Czech Language for academic purposes	2009
University of Namibia	BSc. Environmental Science & Geology – studies ended upon obtaining a scholarship to study in the Czech Republic.	2008 – 2009

LANGUAGES

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent

Oshiwambo	Excellent/Native	Excellent/Native	Excellent/Native
Czech	Excellent	Excellent	Excellent

EMPLOYMENT RECORD

Since starting her professional career 10 years ago, Fredrika has been involved in numerous groundwater (hydrogeological), geotechnical, and Environmental Impact Assessment projects. Groundwater projects have focused on groundwater investigation for new water supply sources, groundwater impact assessment, and monitoring. The specific groundwater, geotechnical, and environmental project responsibilities range from proposal writing, technical report compilation, environmental assessment public meeting facilitation, site visits (fieldwork) & supervision, environmental compliance monitoring on sites, and project management. The projects have been mainly based in different areas in Namibia, with groundwater projects (monitoring) and hydrocarbon contamination assessments that were based in Limpopo Province and Gauteng (Johannesburg), in early 2016, respectively. Since January 2020, under her PhD Study Department of Geotechnics & Underground Engineering (VSB – TU Ostrava) in the Czech Republic, Fredrika has been involved in some technical projects responsible for Groundwater (Data) Management projects for Czech environmental and water management firms/organizations as part of the University-Industry collaborations.

Fredrika has been employed as per the order of the employment record below:

Period	Name of Employer, Position, and Responsibilities
01 Aug 2020 to date	<p>Serja Hydrogeo-Environmental Consultants CC (Self-Founded)</p> <p>Position: Principal Hydrogeologist and Environmental Assessment Practitioner (EAP)</p> <p>Responsibilities: Conducting Groundwater (Hydrogeological) Studies (Exploration and Impact Assessment), Groundwater Monitoring, Project Management, Technical & Financial Proposal Compilation, Technical Report compilation, Environmental Impact Assessments (EIAs) and Management Plans, Compiling project technical reports for Groundwater studies (as a specialist's input to EIAs) and adding input into projects' Environmental Management Plans (EMPs) where needed, Renewal of Environmental Clearance Certificates (ECCs) and Conducting Environmental Monitoring (Compliance Auditing) as well as Mentoring/Training of Environmental and Water Management graduates (young consultants)</p>
1 Jan 2020 to date	<p>VSB – Technical University of Ostrava, Ostrava</p> <p>Position: PhD Student: Assistant Hydrogeologist / Groundwater Modeller and Researcher</p> <p>Responsibilities: Conducting Research on Water, Geotechnical, and Environmental Technical (Industrial) Projects, Data Preparation and Analysis, Numerical Surface Water and Groundwater Modelling (using MIKE SHE and GMS: MODFLOW, respectively – In Training)</p>

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- 1 Apr 2019 to date** **Independent Water and Environmental Consultant, Windhoek / Ostrava**
- Responsibilities:** Conducting Groundwater studies, Environmental Impact Assessments, advising clients on Environmental and Water Management, Project Management, compiling project proposals and technical reports for Groundwater studies (including reports for water permit applications) and Environmental Impact Assessments (EIAs), and Environmental Management Plans (EMPs).
- Major Association/Collaborations**
- Highlight:** Contracted by the African Development Bank (AfDB) with four other independent consultants for a 3.5-month project under the Ministry of Agriculture, Water and Land Reform (MAWLR) for the *Namibia Water Sector Support Programme's Strategic Environmental & Social Assessment (SESA)*. Duration: August 2019 to November 2019. https://www.afdb.org/sites/default/files/documents/environmental-and-social-assessments/namibia_water_sector_support_program_nwssp_phase_1_esmf_p-na-e00-005.pdf.
- 1 Jan 2019 – 30 June 2023** **Excel Dynamic Solutions (Pty) Ltd, Windhoek**
- Position: Associate Consultant / Technical Advisor - Hydrogeology and EIAs**
- Responsibilities:** Conducting Groundwater (Hydrogeological) studies, Groundwater Monitoring, Project Management & Staff management, Technical compilation of Groundwater studies and EIA reports and EMPs, Training and mentoring of young Consultants.
- 3 Aug 2015 – 31 Dec 2018** **GCS Water Environmental Engineering Namibia (Pty) Ltd (GCS Namibia), Windhoek**
- Position:** Country Hydrogeologist, Environmental Assessment Practitioner (EAP) and Safety, Health & Environmental (SHE) Officer
- Responsibilities:** Conducting Groundwater (Hydrogeological), Geological & Geochemical studies, Geotechnical investigations, Groundwater Monitoring, Air Quality Monitoring, Project Management, Proposal and Technical Report writing, and Environmental Impact Assessments & Environmental Management Plans. Further responsibilities included training junior geologists and environmental assessment practitioners, and ensuring health and safety implementation in the office.
- 1 06 Jul 2014 – 30 Sept 2014** **Dundee Precious Metals Tsumeb (DPMT), Tsumeb**
- Position:** Intern Geologist / Hydrogeologist in the Environmental Department (under the Supervision of GCS Water & Environmental Consultants (Pty) Ltd)
- Responsibilities:** Measuring Groundwater Levels, Water Sampling, and Preservation.

SOME OF THE KEY PROJECTS UNDERTAKEN (INCL. CLIENTS, RESPONSIBILITIES, AND PERIOD/YEAR)**INFRASTRUCTURAL (ROADS, WATER, ENERGY, TELECOMMUNICATIONS, TOURISM) AND MINING-RELATED ENVIRONMENTAL ASSESSMENT STUDIES (EIAS AND WATER STUDIES)**

- Environmental Clearance Certificate (ECC) Renewal for the Dairy Processing Facility in Avis, Windhoek, Khomas Region, Namibia. **Client: Namibia Dairies (Pty) Ltd. Responsibilities:** Site Visit, Environmental Compliance Check, and compilation of the ECC renewal application and updated Environmental Management Plan (EMP). **Year:** 2025.
- Environmental Clearance Certificate (ECC) Renewal for the Operations and Maintenance of the Existing 3-Megawatt (MW) Solar (Photovoltaic (PV)) Park within the Townlands of Arandis, Erongo Region. **Client: OLC Arandis Solar Energy (Pty) Ltd. Responsibilities:** Site Visit, Environmental Compliance Check, and compilation of the ECC renewal application and updated Environmental Management Plan (EMP). **Year:** 2025.
- Environmental Clearance Certificate (ECC) Renewal for the Operation of Otavifontein Irrigation Project on Farm Otavifontein No. 794 in the Otjozondjupa Region. **Client: O&L Fresh Produce (Pty) Ltd, now under Namibia Dairies (Pty) Ltd. Responsibilities:** Site Visit, Environmental Compliance Check, and compilation of the ECC renewal application and updated Environmental Management Plan (EMP). **Year:** 2025.
- Environmental & Social Impact Assessment (ESIA) Study for the Proposed Construction and Operation of a NamPower Wind Project, Including the Transmission Line, in the Tsau //Khaeb (Sperrgebiet) National Park as well as the ESIA for the Meteorological Mast in the Tsau //Khaeb National Park Area – an associated activity to the Wind Farm Project Area of the //Kharas Region. **Client: Namibia Power Corporation Limited (NamPower) under SRK Consulting South Africa (Pty). Responsibilities:** compilation of ECC applications & consultation materials, assessment of biological, physical, and social environments, facilitation of the Namibian ESIA process and stakeholder engagement, compilation of the Mast Scoping Report & EMP, and assisting SRK with compiling the Wind Farm ESIA Reports and Environmental & Social Management Plan (ESMP). **Year:** 2025.
- Environmental Impact Assessment (EIA) Study - The Proposed Construction of DR3470: Rooidag Gate (Ou-Cordorn) - Kano Vlei (74km) Gravel Road Standards in the Kavango West Region. **Client: Tweya Consulting Engineers CC for the Ministry of Works & Transport (MWT). Responsibilities:** compilation of ECC application & consultation materials, site/route visit & assessment of biological, physical, and social environments, project management, and compilation of the EIA Scoping Report and Environmental Management Plan (EMP). **Year:** 2025.
- Environmental Impact Assessment (EIA) Studies and Development of Environmental Management Plans (EMPs) for 9 the Proposed New MTC Sites Built in the Kunene, Oshikoto, Ohangwena, Kavango East & Kavango West Regions: Application for Environmental Clearance Certificates (ECCs). **Client: Mobile Telecommunications Limited (MTC Namibia). Responsibilities:** compilation of ECC applications & consultation materials, assessment of biological, physical, and social environments, facilitation of stakeholder & community engagements, project management, and compilation of 9 EIA Scoping Reports and Environmental Management Plans (EMPs). **Year:** 2025.
- Hydro-census / Aquifer Assessment for Farm Otavifontein No. 794 near Otavi in the Otjozondjupa Region (Phase 1). **Client: O&L Fresh Produce (Pty) Ltd, a subsidiary of Ohlthaver & List Group. Responsibilities:** Baseline assessment, site visit, aquifer assessment, co-updating and creation of a new

numerical groundwater modeling for the new groundwater abstraction permit application, and compilation of the Hydrogeological Report, as well as the renewal of the Environmental Clearance. **Year:** 2024-2025

- Baseline Hydrogeological Assessment for the Proposed Rehabilitation and Widening of T0202 between Usakos and Arandis (89km) in the Erongo Region: Water Availability/Supply Assessment. **Client: Element Consulting Engineers for the Roads Authority of Namibia. Responsibilities:** Baseline Assessment, Water Supply Options Assessment, and Baseline Hydrogeological Assessment Report compilation. **Year:** 2024.
- Hydrogeological Assessment Studies for the Proposed Landfill Site, upgrading of oxidation ponds, and proposed new Borehole in Stampriet Village, Hardap Region. **Client: CNM Investments for Stampriet Village Council. Responsibilities:** Baseline Hydrogeological impact assessments, Compilation of 3 Hydrogeological Impact Assessment Reports as part of the EIA Studies. **Year:** 2024.
- ECC Application and Development of the Comprehensive Environmental Management
- Environmental Impact Assessment (EIA) Study for the Proposed Establishment and Operation of Ekoto Tented Camp in Orupupa Conservancy, Kunene Region, Namibia. **Client: The Forgotten Valley Camps CC (through Kunene Conservation). Responsibilities:** Site visit & assessment of biological, physical, and social environments, stakeholder & community engagement meetings, and compilation of the EIA Scoping Report and Environmental Management Plan (EMP). **Year:** 2024.
- Environmental Assessment (EA) for the establishment and operation of Doros Plains Lodge southwest of Khorixas in the Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions CC. **Responsibilities:** Environmental impact assessment, facilitation of stakeholder engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2024.
- Baseline Hydrogeological Assessment for the Proposed Rehabilitation and Widening of T0202 between Usakos and Arandis (89km) in the Erongo Region: Water Availability/Supply Assessment. **Client: Element Consulting Engineers for the Roads Authority of Namibia. Responsibilities:** Baseline Assessment, Water Supply Options Assessment, and Baseline Hydrogeological Assessment Report compilation. **Year:** 2024.
- Hydrogeological Assessment Studies for the Proposed Landfill Site, upgrading of oxidation ponds, and proposed new Borehole in Stampriet Village, Hardap Region. **Client: CNM Investments for Stampriet Village Council. Responsibilities:** Baseline Hydrogeological impact assessments, Compilation of 3 Hydrogeological Impact Assessment Reports as part of the EIA Studies. **Year:** 2024.
- Environmental Impact Assessment (EIA) Study for the Proposed Construction and Operation of a New Telecommunication Lattice Tower and associated activities in Okahandja Town, Otjozondjupa Region. **Client: Mobile Telecommunications Limited (MTC Namibia). Responsibilities:** Site visit & assessment of biological, physical, and social environments, neighboring stakeholders' engagement (one-on-one), and compilation of the EIA Scoping Report and Environmental Management (EMP). **Year:** 2024.
- Environmental Impact Assessment (EIA) Study for the Proposed Construction and Operation of a Wastewater Treatment Plant (WWTP) and Associated Infrastructures, Environmental Management Plan (EMPs) for the Upgrading and Continued Operations Existing S. I. !Gobs Senior Secondary School Overflow Catchment (Temporal Detention Holding Ponds) and Decommissioning Plan for Municipal and Ozondje Oxidation Ponds in Omaruru Town, Erongo Region. **Client: Omaruru Municipality & Trinitas Consulting Engineers (under Mafuta Environmental Consultants). Responsibilities:** Environmental Impact Assessment, facilitation of

stakeholder engagement, compilation of the EIA Scoping Report and EMPs, as well as the Decommissioning Plan. **Year:** 2024

- Environmental Impact Assessment (EIA) Study - Four Existing and Three New Proposed Borrow Pits for the Upgrading of DR3645 (16.3km: Engoyi to Omuntele) to Low Volume Seal (LVS) standards in the Oshikoto Region. **Client: Burmeister & Partners (Pty) Ltd Consulting Engineers/Roads Contractor Company (RCC) for Roads Authority of Namibia. Responsibilities:** Site visit & assessment of biological, physical, and social impacts of borrow pits and road route, facilitation of 4 community engagement continuation from initial road works from 2007/2008 onwards, and compilation of the EIA Scoping Report and Environmental Management & Rehabilitation (EMRP). **Year:** 2024.
- ECC Application and Development of the Comprehensive Environmental Management Plan (EMP) for the proposed upgrading of the existing Oxidation ponds in Rehoboth Town, Hardap Region, Namibia. **Client: Dunamis Consulting Engineers & Project Managers (Pty) Ltd for Rehoboth Town Council. Responsibilities:** Site Visit & Assessment, Compilation of the Comprehensive EMP. **Year:** Year: 2024.
- Hydrogeological Assessment for the Proposed Upgrade Low Volume Seal (LVS) Bitumen Road for DR3425-DR3447-DR3400 (155km: Sikanduko-Ncaute-Ndonga Linena) in the Kavango East Region: A Part of the Environmental & Social Impact Assessment Study. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for the Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Selected stakeholder/public familiarization (pre-consultation meetings), compilation of the Water Supply Assessment Report. **Year:** 2024.
- Hydrogeological Impact Assessment for the Proposed Aquaculture Project and associated Activities near Henties Bay Town in the Erongo Region, Namibia. **Client: EnviroPlan Consulting CC for Blue Ridge Aquaculture Africa (Pty) Ltd. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2024.
- Hydrological & Hydrogeological Assessment Study for the Upgrading and Subsequent Operation of a Fleet Management Fuel Station in Windhoek, Khomas Region. **Client: Namibia Environmental Consultants CC for the City of Windhoek. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2023/2024.
- Environmental Scoping Assessment Study for the proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 6990, Located West of Uis Settlement in the Erongo Region, and EPL-8904 in the Kunene Region. **Client: Gemco Investment CC. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits and assessments, compilation of the EIA Reports and Environmental Management Plans (EMPs). **Year:** 2023.
- Environmental & Social Impact Assessment Studies for the Ruacana South Phase 1 & Katima-Ngoma Phase 3 & 4 and the Reservoir Rural Water Supply Schemes in the Omusati and Zambezi Regions - as part of the Namibia Water Sector Support Program (NWSSP). Namibia. **Client: Ministry of Agriculture, Water and Land Reform (MAWLR). Responsibilities:** Baseline Assessments, Facilitation of Stakeholders' Engagement, Compilation of ESIA Reports & ESMPs. **Year:** 2023.
- Hydrogeological Assessment Study for the Construction of Otavi Primary School in Otavi, Otjozondjupa Region. **Client: I.D Building Contractors CC. Responsibilities:** Hydrogeological Baseline Assessment, Site Visit & Assessment, and Compilation of the Hydrogeological Assessment Report. **Year:** 2023

- Groundwater Supply Assessment and Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for the Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the Water Supply Assessment & ESIA Reports, and ESMP. **Year: 2023.**
- Environmental and Social Scoping Assessments for the Proposed Mineral Prospecting and Exploration Activities on two Exclusive Prospecting Licenses (EPL) No. 8955 situated North of Opuwo Town and 8967 located northwest of Sesfontein in the Kunene Region, Namibia. **Client: Max Kefas Nuseb (under OMAVI Geotechnical & Environmental Services). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits and assessments, compilation of the two EIA Reports and Environmental Management Plans (EMP). **Year: 2023.**
- Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Two Exclusive Prospecting Licenses (EPLs) No. 8779 & 8780 located northwest of Sesfontein and EPL-8770 near Opuwo Town in the Kunene Region, Namibia. **Client: Tamarillo Investments (Pty) Ltd. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits, a compilation of the two EIA Reports, and Environmental Management Plans (EMP). **Year: 2023.**
- Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 8838 at Warmbad Settlement in the //Kharas Region, Namibia. **Client: Mistletoe Investments Pty Ltd. Responsibilities:** Environmental baseline assessment, public & stakeholders' engagement/consultation, compilation of the EIA Report and Environmental Management Plan (EMP). **Year: 2023.**
- Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for the Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the ESIA Report & ESMP. **Year: 2023.**
- Environmental Impact Assessment (EIA) Studies for the Proposed Dewatering of the Underground Mine through Asis West (AW) and Asis Far West (AFW) shafts and Underground Exploration & Mining Activities and on Mining Licenses (MLs) No. 73B, 16 & 9 at the Kombat Mine in the Otjozondjupa Region, Namibia. **Client: Trigon Mining Namibia (Pty) Ltd (under Excel Dynamic Solutions (Pty) Ltd). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visit, Assessment, compilation of the two EIA Reports and Environmental Management Plans (EMPs), and application of the Groundwater abstraction permit. **Year: 2022/2023.**
- Environmental Scoping Assessments (ESAs) Studies for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 7582 located North of Omaruru and EPL-8788 west of Uis in the Erongo Region. **Client: Tarah Hainana. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement meetings, Site visits & Assessments, compilation of the EIA Reports and EMPs. **Year: 2023.**

- Environmental Impact Assessment (EIA) Study for the Establishment of Urban Agricultural Activities on Extension 5 in Karibib, Erongo Region. **Client: Karibib Town Council (under Excel Dynamic Solutions (Pty) Ltd).** **Responsibilities:** Environmental impact assessment, public & stakeholders' engagement, Site visit & Assessment, compilation of the EIA Report and EMP. **Year:** 2022/2023.
- Development of the Comprehensive Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 2 interns/graduates working on the project, Site Visits and Assessment, and Compilation of the Comprehensive EMP. **Year:** 2022-2023.
- The Physical Environmental Baseline (Soils, Geology, Hydrogeology, and Hydrology) for Aquacultural Activities in Dolphin Beach Aqua Park, Walvis Bay in the Erongo Region, and for the Maricultural Project Site in Swakopmund, Erongo Region. **Client: KPM Environmental Consultants.** **Responsibilities:** The Baseline Write-Up of the Physical Environment (Soils, Geology, Hydrogeology, and Hydrology). **Year:** 2022/2023.
- Environmental Assessment (EA) for the establishment and operation of Huab Under Canvas (renamed to Camp Doros) southwest of Khorixas in the Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions CC. **Responsibilities:** Environmental impact assessment, stakeholder engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2023.
- Desktop Water Resources Assessment as part of the Environmental Impact Assessment (EIA) for the proposed Irrigation Activities in Divundu Settlement, Kavango East Region. **Client: I.N.K Enviro Consultants CC.** **Responsibilities:** Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Impact Assessment Report. **Year:** 2023
- Geohydrological/Hydrogeological Assessment Report as part of the Environmental Impact Assessment (EIA) for the Proposed Mining Activities on the Mining Licence (ML) No. 247 (ML-247) located northeast of Karibib in the Erongo Region, Namibia. **Client: Africa Big Rhino Mining (Pty) Ltd.** **Responsibilities:** Site visit, Assessment, compilation of the Groundwater Assessment Report. **Year:** 2022. The compilation of the Technical Report for the Application of Groundwater Abstraction & Use Permit. **Year:** 2023.
- Hydrogeological Assessment Study for the proposed New Landfill within the Karibib Townlands of the Erongo Region, Namibia. **Client: Karibib Town Council.** **Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Impact Assessment Report. **Year:** 2022.
- Amendment of the Environmental Impact Assessment (EIA) & Development of the Environmental Management Plan (EMP) for the Road Design for the Proposed Upgrade to Bitumen Standard of the DR3633 Tsandi-Omugulugombashe road (22km) in the Omusati Region, Namibia. **Client: D&P, Archetype, and Tweya (DAT-Joint Venture) for the Roads Authority of Namibia.** **Responsibilities:** Updating the EIA Report and EMP to incorporate the borrow pits. **Year:** 2022.
- Desktop Hydrological & Hydrogeological Assessment Study for the Construction (Establishment) and Operation of a Bulk Fuel Storage Facility at the Eros Airport, Windhoek in the Khomas Region, Namibia. **Client: Central Oil Namibia (Pty) Ltd.** **Responsibilities:** Compilation of the Water Resources Impact Assessment Report. **Year:** 2022.
- Socio-economic Impact Assessment (and Action Plan) for B2Gold Otjikoto Mine (current status and mine closure preparation) in the Otjozondjupa Region, Namibia. **Client: Southern African Institute for Environmental Assessment (SAIEA) for B2Gold Namibia.** **Responsibilities:** Conducting Employee Interviews (One-on-One) / Socio-Economic Surveys with the B2Gold Namibia (Otjikoto Mine) employees from

the Mining and Environmental Departments / Sections (for the representative sample of 330 employees).

Year: 2022

- Hydrogeological Impact Assessment Report for the Proposed Establishment of a Mixed Residential and Commercial Property Development (Avis Ridge) at Avis Dam of the Klein Windhoek Suburb, Windhoek – Khomas Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC for KHD Investments CC. Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Assessment Report. **Year: 2022**
- Feasibility Study: Upgrading Scenario for MR033 Mata-Mata Border Post - Gochas -Stampriet (291 Km) in the Hardap Region and a small part of //Karas Region, Namibia. **Client: Archetype Project Consultants, D&P Consulting Engineers & Amir Consulting Services (ADA-Joint Venture) for the Roads Authority. Responsibilities:** Site Visit & Assessment, Hydrogeological Impact Assessment, Co-Author of the Environmental & Social Impact Assessment (ESIA) Report & Management Plan (ESMP). **Year: 2022**
- The Strategic Environmental Assessment (SEA) for the Windhoek Municipal Council (City of Windhoek). In the Khomas Region: Strategic Planning for 2020 to 2023. **Client: Windhoek Municipal Council (City of Windhoek). Responsibilities:** Compilation of the Hydrogeological (Groundwater) Baseline Status Quo, Impact Assessment & Implementation. **Year: 2021-2023.**
- Environmental Scoping Assessment Study for the Proposed Mineral Prospecting & Exploration Activities on five (5) Exclusive Prospecting Licenses (EPLs) No. 8655, 8656, 8664, 8671 & 8672 located northeast of Gobabis in the Omaheke Region, Namibia. **Client: Noronex Exploration and Mining Company Pty Ltd, under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Site visit & Assessment, Facilitation of Public Participation & Engagement, and Compilation of Environmental Assessment Report & EMP. **Year: 2022**
- Comprehensive Environmental Management Plans (EMPs) for the Existing Solid Waste Dumpsites: Rehoboth in the Hardap Region and Rundu in the Kavango East Region, Namibia. **Client: Rehoboth Town Council & Rundu Town Council under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Site Visits & Assessments, Data Collection & Analysis, Compilation of Comprehensive EMPs, Project Supervision of the interns / environmental trainees on the projects, and Project Documents Review. **Year: 2022**
- Environmental Impact Assessment (EIA) Study for the Oxidation Ponds and Sewage Treatment Plant in Eenhana Town, Ohangwena Region, Namibia. **Client: Eenhana Town Council under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Project Supervision of 4 interns/graduates working on the projects, Site Visits and Assessments, and Project Documents Review. **Year: 2022-ongoing**
- Development of the Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Project Supervision of 4 interns/graduates working on the projects, Site Visits and Assessments, and Project Documents Review. **Year: 2022 -current. Year: 2022.**
- Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia. **Client: NamWater under Outrun Consultants CC. Responsibilities (Subcontractor):** Preliminary Public & Stakeholders' Consultation Meetings Facilitation, Site Visit and Assessments. **Year: 2022.**
- Baseline Water Resources Assessment & Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia - as part of the Namibia Water Sector Support Program (NWSSP). **Client: Namibia Water Corporation Limited**

- (NamWater) (under Outrun Consultants CC and Element Consulting Engineers). Responsibilities:** Public & Stakeholders' Consultation Meetings Facilitation (6 meetings), Site Visit & Assessments, and contributing author of the ESIA documents. **Year:** 2022-2023.
- Development of the Environmental Compliance Guideline Manual for the Flexible Land Tenure System (FLTS) Implementation by the Relevant Authorities in Namibia. **Client: Ministry of Agriculture, Water and Land Reform (supported by GIZ Namibia under D&P Engineers and Environmental Consultants).** Responsibilities: Compilation of the Guideline Manual and preparation of the Draft FLTS Manual Presentation. **Year:** 2022.
 - Environmental Scoping Assessment (ESA) Study for the Construction, Operation, and Decommissioning of a New Waste Dumpsite for the Helao Nafidi Town Council, Ohangwena Region, Namibia. **OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O Helao Nafidi Town Council). Responsibilities:** Compilation of the ESA Report and Environmental Management & Rehabilitation Plan (EMRP). **Year:** 2022
 - Environmental Impact Assessment Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 7603, Located Northwest of Usakos, and EPL-7153 near Karibib in the Erongo Region. Client: **Dwyka Investment CC. Responsibilities:** Site visits & Assessments, Facilitation of Public Participation & Engagements, and Compilation of EIA Reports & EMPs. **Year:** 2023
 - Environmental Impact Assessment Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 8713 Southwest of Helmeringhausen in the //Karas Region. Client: **Loudima Resources (Pty) Ltd. Responsibilities:** Site visit & Assessment, Facilitation of Public Participation & Engagement meeting, and Compilation of EIA Report & EMP. **Year:** 2023
 - Renewal, Amendment, and Transfer of the Environmental Clearance Certificate (ECC) for the Continued Operation of the Existing Walvis Bay Stone Processing Facility on Farm No. 38 and Reclamation / Rehabilitation of an Abandoned Quarry within the Walvis Bay Rural Constituency, Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O BC Stone Products Namibia (Pty) Ltd).** Responsibilities: Compilation of the ECC Renewal, Transfer & Amendment Applications, Environmental Overview, Management & Rehabilitation Plan (EMRP), Public/Stakeholder Updated & Consultation Facilitation, and Site visit & assessment. **Year:** 2022
 - Environmental Assessment for the Proposed Construction and Operation of Four Oxidation Ponds in the Tses Village, //Karas Region. **Client: Dunamis Consulting Engineers & Project Managers (Pty) Ltd. Responsibilities:** Site visit & Assessment, Facilitation of Public Participation, and Compilation of Environmental Assessment Report & EMP as well as Bi-Annual Environmental Monitoring. **Year:** 2021 - 2023
 - Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR1953 Karibib-Otjimbingwe Road (56km) in the Erongo Region, Namibia: Road Construction Water Supply. **Client: Tweya Consulting Engineers** for the **Roads Authority of Namibia.** Responsibilities: Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
 - Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR3616 Tsandi-Onesi-Epalela road (48km) in the Omusati Region, Namibia: Road Construction Water Supply. **Client: D&P, Archetype, and Tweya (DAT-Joint Venture) Consulting Engineers for the Roads Authority of Namibia.** Responsibilities: Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
 - Detailed Environmental Assessment for the proposed exploration and mining of dimension stone on Mining Claims No. 71609 to 71617 near Arandis in the Erongo Region, Namibia. **Client: OMAVI Geotechnical &**

Geo-Environmental Consultants CC (O.B.O Okonde Mining and Exploration CC). Responsibilities: Facilitation of Public Participation, Compilation of Environmental Assessment Report & EMP, and incorporating specialists' input into the Report and EMP. **Year:** 2021

- Desktop Geohydrological Assessment (DGA): Proposed Groundwater Abstraction for Agricultural activities along the Orange River between Oranjemund (Namdeb Mining area) and Rosh Pinah in the Oranjemund Constituency, //Karas Region, Namibia. **Client: KPM Environmental Consulting (O.B.O. Oranjemund Constituency Office). Responsibilities:** Baseline Geohydrological Assessment, Data Analysis, and Compilation of the Report. **Year:** 2020
- Hydrogeochemical Data Management of Potential Hydrocarbon Contamination Areas for the Kladno District Project in the Central Bohemian Region, Czech Republic. **Client: Green Gas DPB a.s** (under the VSB Technical University of Ostrava). **Responsibilities:** Groundwater and soil chemistry, Data Analysis in Preparation for Reporting, & Database entry. **Year:** 2020
- Groundwater Data Management for the Prackovice D8 (highway) Landslide Project in the Litoměřice District, Ústí nad Labem Region of the Czech Republic. **Client: Czech Geological Survey** under VSB-Technical University Ostrava projects. **Responsibilities:** Borehole Data Analysis in Preparation for Reporting & Numerical Modelling. **Year:** 2020
- Environmental Scoping Assessment (ESA) Studies for the Proposed Exploration Activities of Dimension Stone and Industrial Minerals on Exclusive Prospecting Licenses (EPLs) 6139 and 7008 near Karibib in the Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O.B.O Agulhas Mineral Resources CC & Naris Mineral Resources CC, respectively). Responsibilities:** Facilitation of Public Participation and Engagements, Site visits & assessments, Compilation of Environmental Assessment Reports & EMPs. **Year:** 2020
- Desktop Water Resources Assessments as part of the two Environmental Impact Assessments (EIAs) for the Embankment of Muzii and Nankuntwe Combined School Platforms in the Zambezi Region, Namibia. **Client: I.N.K Enviro Consultants (O.B.O Zambezi Regional Council).** Responsibilities: Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Risk Assessment Reports. **Year:** 2020
- Desktop Geohydrological Assessment (DGA) as part of the Environmental Impact Assessments (EIA) - The Proposed Eco-Friendly Seawater Desalination Plant in Henties Bay, Erongo Region, Namibia. **Client: Namib Eden Trading CC. Responsibilities:** Desktop Study and Compilation of the Water Impact Resources Report. **Year:** 2019/2020
- Desktop Geohydrological Assessments as part of the Environmental and Social Impact Assessments (ESIAs) for the Proposed Pilot Desalination Plants in Bethanie Town and Grünau Settlement in the //Karas Region, Namibia. **Client: KPM Environmental Consulting (O.B.O NamWater). Responsibilities:** Baseline Geohydrological Assessment, Data Analysis, and Compilation of the two Reports. **Year:** 2019
- A Strategic Environmental and Social Assessment (SESA) / Environmental and Social Management Framework (ESMF) for the Namibia Water Sector Support Program (NWSSP), Namibia. **Client: African Development Bank Group (AfDB) with the Ministry of Agriculture, Water and Land Reform (MAWLR). Responsibilities:** Baseline Hydrogeological and Environmental Assessment, Reports & Framework Compilation, Key Stakeholders Engagement, and Internal Documents Review. **Year:** 2019/2020
- Environmental Assessment (EA) for the proposed Construction and Operation of a Wastewater Treatment Plant for Linus Shashipapo Secondary School in the Kavango East Region, Namibia. **Client: Dunamis**

Consulting Engineers & Project Managers. Responsibilities: Project Management, Site visit & Assessment, Facilitation of Public Participation (including public meetings), and Compilation of Environmental Assessment Report & EMP. **Year:** 2019

- Hydrogeological Assessment and Groundwater Abstraction and Use Permit Application & Environmental Scoping Assessment for the proposed Lucerne Irrigation Scheme on Farm Klein Nabas 137 (Marlo Portion) near Stampriet, Hardap Region, Namibia. **Client: Green Team Consultants (O.B.O Jonkheer Boerdery Pty Ltd). Responsibilities:** Site visit and assessment, Compilation of Desktop Groundwater Report and Technical Report for Groundwater Permit application, and Environmental Assessment Report & EMP. **Year:** 2019
- Hydrogeological Study for the Expansion of Tsumeb Smelter Monitoring network (new boreholes) in the Oshikoto Region, Namibia. **Client: Dundee Precious Metals Tsumeb (DPMT). Responsibilities:** Borehole siting (geophysical survey), Drilling & borehole construction supervision & data analysis. **Year:** 2018
- National Environmental Assessment for the MTC Namibia 100% Population Coverage: Proposed new 554 network towers/sites in all the Regions of Namibia. **Client: Mobile Telecommunications Limited (MTC Namibia). Responsibilities:** Facilitation of (Northern Regions) Regional Focused Consultation Meetings, Compilation of 14 Draft & 14 Generic EMPs, Site visits, Landscape (soil, topography, hydrology, and geohydrology) specialist, and Environmental Assessment Reports. **Year:** 2017-2018
- Updating of the Numerical Groundwater Flow Model for the Lower Kuiseb River Aquifers near Walvis Bay, Erongo Region, Namibia. **Client: Namibia Water Corporation Limited (NamWater). Responsibilities:** Co-training of NamWater Project Staff (Modelling) and Data Collection & Collation, assisted with the updating of the numerical model, and overall Model Update Report Compilation. **Year:** 2018
- Dust monitoring for Otjozondu Mine for a period of 6 months (Aug 2017 to Jan 2018). **Client: Otjozondu Mining (Pty) Ltd. Responsibilities:** Training of Site Personnel on bucket installation at the site, Monitoring, and Monthly Air Quality Report Compilation. **Year:** 2017-2018.
- Geohydrological Investigation of the Groundwater Resources at Outjo and the Possible Impact of the Development of 60 New Residential Plots in the Kunene Region, Namibia. **Client: Municipality of Outjo. Responsibilities:** Field Investigation, Project Management, Data Collection & Analysis, Technical Report Compilation, and Client Liaison. **Year:** 2016
- Groundwater Monitoring and Sampling for the De Brochen Project in the Limpopo Province, South Africa. **Client: Anglo American Platinum. Responsibilities:** Groundwater Level measurement, Surface water sampling. **Year:** 2016
- Environmental Hydrocarbon Contamination Assessments Phase 1 for Interchain Logistics and Nulaid Fuel Stations in Johannesburg, Gauteng Province, South Africa. **Client: SASOL. Responsibilities:** Site Inspection, Measurement of water levels in tank observation wells, Soil Augering, sampling, and co-reporting. **Year:** 2016
- Groundwater Pollution and Level Monitoring and Sampling. **Client: Dundee Precious Metals Tsumeb (DPMT) in the Oshikoto Region, Namibia. Responsibilities:** Hydrocensus, Borehole profiling, and Data analysis. **Year:** 2015 to 2017
- Skorpion Zinc Mine Closure Plan in the //Karas Region, Namibia. **Client: Skorpion Zinc (Pty) Ltd. Responsibilities:** Compilation of Mine Closure Report, Geochemical, and Groundwater input, Integrating specialists' inputs in EIA report. **Year:** 2015

KEY ENERGY INFRASTRUCTURE PROJECTS' ENVIRONMENTAL ASSESSMENT STUDIES

- Environmental Impact Assessment (EIA) Supplementary Study to meet IFC Standards – Proposed Construction and Operation of a 55MW Solar Photovoltaic (PV) Plant and Associated Infrastructures on a Portion of Portion 2 of Farm Klein Spitskop No. 153 near Keetmanshoop, ||Kharas Region. **Client: SolNam Energy (Pty) Ltd. Responsibilities:** Compilation of the Background Information Document (BID), facilitation of public & stakeholders' engagement/consultation meeting, Site visit and assessment, Compilation of the Stakeholder Engagement Plan (SEP), supplementary EIA Report, and Environmental Management Plan (EMP). **Year:** 2023.
- Bi-annual environmental Monitoring (October 2023 onwards) for the Construction of the Cleanergy Green Hydrogen Demonstration Plant (GHDP) in Walvis Bay Town of the Erongo Region, Namibia. **Client: Cleanergy Solutions Namibia (Pty) Ltd (a JV between Ohlthaver & List and CMB.TECH). Responsibilities:** Site Visit & Auditing, Observations, conducting personnel interviews on Environmental Compliance, and Compilation of the Monitoring Report. **Year:** 2023.
- Environmental Impact Assessment Study and Development of the Environmental Management Plan for the proposed Cleanergy Green Hydrogen Demonstration Plant, Environmental Impact Assessment, Walvis Bay, Namibia. **Client: Client: Cleanergy Solutions Namibia (Pty) Ltd (JV between Ohlthaver & List and CMB.TECH). Responsibilities:** Project Consultant under SRK Consulting South Africa) (Pty) Ltd. **Year:** 2022.
- Environmental Impact Assessment (EIA) for the Environmental Clearance Certificate (ECC) of the Construction and operational activities of a 5-megawatt (MW) Solar (Photovoltaic) Power Plant and ongoing Bi-Annual Environmental Monitoring in Okatope, Oshikoto Region, Namibia. **Client: Unisun Energy (Pty) Ltd (Enertronica Santerno Group (Italy)). Responsibilities:** Environmental Clearance Certificate Renewal Report, Site Visit, Environmental Compliance Check, Project Management, and Continued Environmental Auditing. **Year:** 2021 to date.
- Environmental Impact Assessment (EIA) amendment for the ECC of the 22.80 Mega-Watt (MW) Trekkopje Solar (Photovoltaic) Park and ongoing Bi-Annual Environmental Monitoring near Arandis in the Erongo Region, Namibia. **Client: Sertum Energy Namibia Pty Ltd. Responsibilities:** Compilation of the ECC Renewal Report/Updating the EMP, Site Assessment, Project Management, and Continued / Ongoing Bi-Annual Environmental Auditing. **Year:** 2020 to date.
- Comprehensive Draft Environmental Management Plan (EMP) for the Operations and Maintenance of the Existing 3-megawatt (MW) Solar Photovoltaic (PV) Park within the Townlands of Arandis in the Erongo Region, Namibia: An Application for Environmental Clearance Certificate (ECC). **Client: OLC Arandis Solar Energy Pty Ltd. Responsibilities:** Site Visit & Auditing, Compilation of the Comprehensive EMP, and Project Management. **Year:** 2022.
- Environmental Scoping Assessment (ESA) for the Proposed Construction and Operation of a 125km 33kV Overhead Power Distribution Line from Maroelaboom to Mangetti Dune in the Otjozondjupa Region. **Client: Central North Regional Electricity Distributor (CENORED). Responsibilities:** Environmental impact assessment, public & stakeholders' engagement, Site/route visit, Assessment, compilation of the EIA Report and EMP. **Year:** 2020.
- Environmental Assessment (EA) for the establishment and operation of Camp Onduli (Onduli Ridge) near Khorixas in the Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions

CC. **Responsibilities:** Environmental impact assessment, public & stakeholder engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2019.

- Environmental Assessments of two 66 kV powerlines for the Solar PV sites near Keetmanshoop, //Karas Region, and Mariental, Hardap Region, Namibia. **Client: GreeNam Electricity (Pty) Ltd. Responsibilities:** Compilation of Environmental Assessment Reports & EMPs and Public Consultation. **Year:** 2017.

REFERENCES

Mrs. Eloise Carstens (Former GCS Namibia Country Manager)

Environmental Management and Authorization Unit

Tel: +64 27 258 9337, Email: eloise@ec-it.org

Mr. Sheldon Husselmann (Former Senior Environmental Assessment Practitioner: GCS Namibia)

Environmental Management and Authorization Unit

Email: shusselmann@gmail.com

Mr. Kobus Troskie (GCS Johannesburg: Previous Technical Supervisor)

Water Resources, Oil and Gas Sub-Unit

Tel: +27 (11) 803 5726, Email: kobus@gcs-sa.biz

Prof. Ing. Nad'a Rapantova, CSc. (Professor and PhD Study Supervisor)

Department of Geotechnics & Underground Engineering (Faculty of Civil Engineering): VSB – Technical University of Ostrava, Czech Republic

Email: nada.rapantova@vsb.cz

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my educational qualifications, and my professional experience.



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Signature

Date: 19 June 2025

EAPAN



ENVIRONMENTAL ASSESSMENT PROFESSIONALS OF NAMIBIA

PROFESSIONAL MEMBERSHIP 2025

This is to certify that

Fredrika Shagama

*Is a registered member of EAPAN under the following
membership category*

“PRACTITIONER”

A handwritten signature in black ink, appearing to be 'H. Shagama'.

President

A handwritten signature in black ink, appearing to be 'H. Petrus'.

Secretary

Membership No: 183

Valid from 01 January 2025 to 31 December 2025

Nicola Rump

Associate Partner / Principal Environmental Scientist



Profession:	Principal Environmental Consultant / Scientist
Qualifications:	MSc (Eco Physiology), Wits, 2005 BSc (Hons) (Zoology), UPE, 2002 BSc (Zoology, Biochemistry), UPE, 2001
Registrations:	Registered Environmental Assessment Practitioner (EAPASA registration no 2019/611), Member of IAIASA
Awards	None

Specialisation

Environmental Management Plans, permitting and compliance monitoring; Environmental Impact and Basic Assessments (to SA and IFC standards); Renewable energy, infrastructure, industrial and mining projects; ecology; ESG related issues.

Expertise

Risk management, international best practice, mining, renewable energy developments, conservation and restoration ecology, ecosystem services, impact assessment, environmental management, environmental compliance and due diligence audits, sustainable finance and ESG related issues.

Nicola has completed the International Finance Corporation (IFC) Environmental and Social Risk Management (ESRM) training for consultants, consisting of 5 days of intensive training followed by four practical workshops (2-3 days each) and a series of follow up sessions, running from January 2018 to November 2021. This training was provided by the IFC to qualifying consultants, and covered a wide range of topics aimed at assisting financial organisations in identifying, assessing, mitigating and monitoring the risks posed by potential investments, as well as emerging topics such as climate change reporting, and green finance.

She has also completed (in April 2024) a 2-day training course hosted by IAIASA on Integrating Climate Change into the EIA process.

Nicola have been involved in EIAs and environmental management since 2007, both in South Africa and internationally. Her experience includes 11 months in SRK's UK office (Cardiff) during 2011-2012, during which time (and subsequently, back in SRK's SA office), Nicola gained experience on working on large mining projects and meeting the requirements of international funders (such as the IFC). Nicola has also completed the IFC's Environmental and Social Risk Management training programme for consultants (in 2018). Her expertise includes:

- Project management and co-ordination;
- Environmental impact assessments (BA / EIA / ESIA, both to South African standards and those of international funding organisations);
- Environmental management plans (including ESAP, ESMP, EMPPr, ESMS);
- Environmental compliance auditing;
- Management of specialist studies;
- Environmental licensing / permitting;
- Stakeholder engagement;
- Due diligence / environmental legal compliance reviews;
- Provision of environmental input for a wide range of report types.

Nicola's core competencies include:

- Proficiency in using the various commonly used PC software e.g. MS Word, Excel, Powerpoint, Outlook and Project;

Nicola Rump

Associate Partner / Principal Environmental Scientist

- Excellent report writing, review and compilation skills;
 - Excellent presentation and communication skills (both verbal and written);
 - Project management, including management of a large and diverse project team and budgets;
 - Appointment and management of specialists / sub-consultants;
 - Mentoring and management of junior staff;
 - Identifying and pursuing new work opportunities, including budgeting and proposal writing
-

Employment

2012 - present	SRK Consulting (SA), Principal Environmental Scientist Port Elizabeth
2011 - 2012	SRK Consulting (UK), Environmental Scientist, Cardiff
2008 - 2011	SRK Consulting (SA), Environmental Scientist, Port Elizabeth
2007 - 2008	Sigwela and Associates, Environmental Control Officer, Port Elizabeth.
2006 - 2007	Integrated Management Systems, Personal assistant and trainee Management System consultant, Port Elizabeth
2006	Valmac Printers & Stationers, General assistant to management; print consultant, Port Elizabeth
2005	NMMU, Research Assistant – Botany Department, Port Elizabeth

Publications None

Languages English - read, write speak (Excellent)
Afrikaans - read, write, speak (Fair)
Spanish - read, write, speak (Basic)

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: IFC-Aligned lender related work

Location: Botswana
 Project duration/date: April 2025 - ongoing
 Client: Botswana Oil Limited (BOL)
 Name of Project: Ikaegeng XTL Project
 Project Description: Provision of technical advisory services for the Ikaegeng Coal to Liquids Project.
 Job Title and Duties: Environmental Advisory lead for development bid evaluations, training / capacity building of client team, stakeholder engagement
 Value of Project: ± R2,000,000

Location: Tsau Khaeb National Park, Namibia
 Project duration/date: January 2025 - ongoing
 Client: NamPower
 Name of Project: NamPower 300 MW Wind Energy Facility in the TKNP
 Project Description: ESIA for lender and local authorisation for 300 MW WEF, including overhead grid connection and associated facilities.
 Job Title and Duties: Environmental Assessment Practitioner, Project Co-ordinator, stakeholder engagement, manage specialists
 Value of Project: ± R2,000,000

Location: Beaufort West, South Africa
 Project duration/date: June 2025
 Client: Mulilo Renewable Developments
 Name of Project: Beaufort West Solar Energy Facility Lender Compliance Review
 Project Description: Independent review of Basic Assessments and related reports and documents for a 250 MW solar PV energy facility, including grid connection and access road.
 Job Title and Duties: Independent reviewer
 Value of Project: ± R100,000

Location: Gqeberha, South Africa
 Project duration/date: February – April 2024
 Client: Parsons Power Park
 Name of Project: Parsons Power Park IFC PS 6 compliance review
 Project Description: Independent review of Environmental & Social Impact Assessment and related specialist reports for a 120 MW solar PV energy facility, with regard to compliance with the IFC's Performance Standard 6 (relating to biodiversity and ecosystem services). The project includes areas of critical habitat and offsets.
 Job Title and Duties: Independent reviewer
 Value of Project: ± R100,000

Location: Sokoto, Nigeria
 Project duration/date: 2021- 2022
 Client: BUA Cement Plc / IFC
 Name of Project: BUA Cement Sokoto Line 4 and Line 5 Expansion ESIA
 Project Description: Environmental & Social Impact Assessment and Resettlement Action Plan for the Line 4 expansion and Line 5 expansions (3 MTPA each) at BUA's existing Sokoto cement plant, including quarry expansion.
 Job Title and Duties: Environmental Assessment Practitioner, Project Co-ordinator, stakeholder engagement, manage specialists
 Value of Project: ± USD 600 000

Location: Selous, Zimbabwe
 Project duration/date: 2016
 Client: Zimplats
 Name of Project: Proposed Smelter expansion Project at Selous Metallurgical Complex (SMC)
 Environmental & Social Risk Assessment

Nicola Rump

Associate Partner / Principal Environmental Scientist

Project Description:	ESRA for the expansion of existing smelter facilities at Zimplats' platinum processing plant, to inform further actions required with regard to environmental best practice management.
Job Title and Duties:	Project co-ordinator and Environmental Assessment Practitioner.
Value of Project:	R 150 000
Location:	Ethiopia (two mine sites)
Project duration/date:	2015
Client:	National Mining Corporation plc (NMiC)
Name of Project:	Okote Gold & Werri Gold & Base Metal Project, Ethiopia
Project Description:	Environmental and Social Impact Assessments (for local permitting requirements, as well as to lay the ground work for upgrading to international standards), for two gold mines in Ethiopia
Job Title and Duties:	Environmental Assessment Practitioner - provision of ad-hoc assistance to project team relating to report writing.
Value of Project:	USD 1 000 000
Location:	Bas Congo Province, Democratic Republic of Congo
Project duration/date:	2013 – 2015
Client:	Nyumba Ya Akiba sarl. (NYA)
Name of Project:	NYA cement project ESIA update, addendum and implementation support
Project Description:	ESIA update and associated management plans (including RAP), as well as completion of further work required, in response to gaps in a previous ESIA (by another consultancy) identified through a due diligence undertaken on behalf of the IFC for the development of a cement plant, limestone quarry and associated infrastructure in DRC.
Job Title and Duties:	Project co-ordinator and Environmental Assessment Practitioner.
Value of Project:	USD 1 000 000
Location:	Lunsar, Sierra Leone
Project duration/date:	2010 – 2012
Client:	Marampa Iron Ore Limited (subsidiary of Cape Lambert)
Name of Project:	Marampa Iron Ore ESIA
Project Description:	EIA for local authorisation and to meet future IFC-aligned lender requirements for the development of an iron ore mine and associated infrastructure around the town of Lunsar, Sierra Leone.
Job Title and Duties:	Project co-ordinator and Environmental Assessment Practitioner.
Value of Project:	R 8 500 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental impact assessments

Location: Beaufort West, South Africa
 Project duration/date: May 2025 - ongoing
 Client: Mulilo Renewable Developments
 Name of Project: Beaufort West Solar Energy Facility Access Road BA
 Project Description: Basic Assessment for new access road for 250 MW SEF in Beaufort West area.
 Job Title and Duties: Environmental Assessment Practitioner, Project Manager, manage specialists and stakeholder engagement
 Value of Project: ± R300,000

Location: Beaufort West, South Africa
 Project duration/date: March 2025 - ongoing
 Client: Mulilo Renewable Developments
 Name of Project: Beaufort West Solar Energy Facility Amendment Application
 Project Description: Part two amendment application for 250 MW SEF in Beaufort West area.
 Job Title and Duties: Environmental Assessment Practitioner, Project Manager, manage specialists and stakeholder engagement
 Value of Project: ± R250,000

Location: Utrecht, KZN province, South Africa
 Project duration/date: 2023 – August 2024 (project terminated early by client)
 Client: Mulilo Renewable Developments
 Name of Project: Mulilo Utrecht WEF cluster EIAs
 Project Description: Environmental Assessments (x 3) for Wind farm cluster, consisting of 3 x 240 MW WEFs and associated infrastructure
 Job Title and Duties: Project EAP
 Value of Project: R 3,000,000

Location: Coega Special Economic Zone, Port Elizabeth, South Africa
 Project duration/date: 2020 – 2021
 Client: ALO Polymers
 Name of Project: Coega Polyethylene Terephthalate Polymer Plant EIA
 Project Description: Environmental Assessment, including air emission licence, for a 900 ton per day polyethylene terephthalate (PET) polymer plant in the Coega Special Economic Zone
 Job Title and Duties: Project reviewer
 Value of Project: R 700 000

Location: Coega Special Economic Zone, Port Elizabeth, South Africa
 Project duration/date: 2020 – 2021
 Client: Engie Southern Africa
 Name of Project: Engie 200 MW Risk Mitigation Gas to Power Project
 Project Description: Screening study, Scoping phase and Air Emission License application for 200 MW gas fired power plant, including associated infrastructure for gas import.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/manager
 Value of Project: R 900 000

Location: Coega Special Economic Zone, Port Elizabeth, South Africa
 Project duration/date: 2019 - Ongoing
 Client: Coega Development Corporation / Mulilo Total Coega
 Name of Project: Coega Gas to Power Project
 Project Description: Environmental Impact Assessments and Air Emission License applications for 3000 MW Combined Cycle Gas Turbine Project, including associated gas infrastructure (project split into four separate EIAs), and including a 200 MW phase as part of the DMRE's Risk Mitigation IPPPP.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/manager
 Value of Project: R 1 200 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Location: Coega Industrial Development Zone, Port Elizabeth, South Africa
Project duration/date: 2018
Client: Confidential
Name of Project: Wind to Water feasibility study
Project Description: Environmental Feasibility Study for an integrated 150 ML/day desalination plant and wind energy project in the Coega industrial development zone
Job Title and Duties: Report author
Value of Project: Confidential

Location: Hopetown, Northern Cape, South Africa
Project duration/date: 2015 – 2017
Client: Afri-Coast Energy (Pty) Ltd
Name of Project: Kloofsig 225 MW photovoltaic solar energy facility
Project Description: Environmental Impact Assessment for solar energy facility (in 3 phases, each requiring a separate EIA process) and associated infrastructure
Job Title and Duties: Environmental Assessment Practitioner, project coordinator/manager
Value of Project: R 1 300 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental impact assessments

<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Groot Winterhoek Mountains, Kirkwood, Eastern Cape, South Africa 2014 – 2017 Vulisango Holdings (Pty) Ltd Inyanda – Roodeplaat 187 MW Wind Energy Facility Environmental Impact assessment for wind farm and associated infrastructure Environmental Assessment Practitioner, project coordinator R 1 200 000</p>
<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Port Elizabeth, Eastern Cape, South Africa 2014 – 2019 Nelson Mandela Bay Municipality Walmer Gqebera housing EIA, erf 11305 Environmental Impact Assessment for low-cost housing development and associated infrastructure Environmental Assessment Practitioner, project coordinator/manager R 1 900 000</p>
<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Harare, Zimbabwe 2013 - 2014 PPC PPC Zimbabwe Harare cement grinding plant EIA Supervision and review of an EIA for Zimbabwean environmental authorisation (with a subsequent potential update to meet lender requirements) for a cement grinding facility and associated infrastructure in Harare. Environmental Assessment Practitioner, project coordinator R 1 600 000</p>
<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Humansdorp, Eastern Cape, South Africa 2013 – 2014 Woodlands Dairy Woodlands Dairy EIA & Waste License EIA for the installation of an effluent treatment plant at a milk processing facility and the associated waste license application. Environmental Assessment Practitioner, project coordinator/manager R 400,000</p>
<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Selous, Zimbabwe 2012 Zimplats Proposed Sulfur Dioxide (SO₂) Abatement Installation Project at Selous Metallurgical Complex (SMC) EIA Amendment EIA amendment for the installation of a scrubber and associated facilities for SO₂ abatement at an existing platinum processing plant at Zimplats's SMC facility. Environmental Assessment Practitioner, project coordinator R 750 000</p>
<p>Location: Project duration/date: Client: Name of Project: Project Description: Job Title and Duties: Value of Project:</p>	<p>Selous, Zimbabwe 2012 – 2013 Zimplats Zimplats Phase 3 expansion consolidated EIA and EMP Consolidated report summarising the project description and findings of various EIAs that have been conducted for Zimplats current operations and Phase 3 expansion, and compilation of an Environmental Management Plan for management of current and future environmental impacts. Environmental Assessment Practitioner, project coordinator. R 3 000 000</p>

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental impact assessments

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2010 – 2019
 Client: Nelson Mandela Bay Municipality
 Name of Project: Seaview housing EIA
 Project Description: Site suitability screening and EIA for the development of a low income housing development and associated infrastructure, including on-site sanitation.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/manager
 Value of Project: R1 500,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2009 – 2010
 Client: Nelson Mandela Bay Municipality
 Name of Project: NMBM CEF 27 MW Wind Energy Facility EIA
 Project Description: EIA for a 27 MW wind farm (including comparative site suitability assessment) and associated infrastructure
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 1 600 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2008 - 2010
 Client: Nelson Mandela Bay Municipality
 Name of Project: Khayamnandi Extension Housing Project EIA
 Project Description: Environmental Impact Assessment for low cost housing development and associated infrastructure
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 530 000

Location: Graaff-Reinet, Eastern Cape, South Africa
 Project duration/date: 2008 – 2010
 Client: Camdeboo Municipality
 Name of Project: Graaff-Reinet Waste Landfill Site EIA and Waste License Application
 Project Description: EIA for the selection of a suitable location for a new waste landfill site, and licensing thereof, including comparative site suitability assessment
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 350 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2008 – 2010
 Client: Nelson Mandela Bay Municipality
 Name of Project: NMBM Walmer Gqebera Housing EIA
 Project Description: Application for exemption from EIA for low-cost housing development in Gqebera Township
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 200 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2006 - 2008
 Client: Jacques du Plessis
 Name of Project: Ferreira Farm residential development EIA
 Project Description: EIA for residential development
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 240 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience:

Basic Assessments

Location:	Coega SEZ, NMBM, Eastern Cape, South Africa
Project duration/date:	April 2024 – September 2024 (project terminated early due to change in development proposal)
Client:	Stellantis South Africa
Name of Project:	Stellantis Coega Auto manufacturing facility BA & WUA
Project Description:	Basic Assessment & Water Use Authorisation for new CKD auto manufacturing facility in Coega SEZ
Job Title and Duties:	Project EAP
Value of Project:	~R 270,000
Location:	Coega SEZ, NMBM, Eastern Cape, South Africa
Location:	Brakpan, Ekurhuleni, Gauteng province, South Africa
Project duration/date:	2023 – September 2024
Client:	Thuthukani Energy
Name of Project:	Thuthukani 10 MW Solar PV BA
Project Description:	Basic Assessment for 10 MW Solar PV energy development, including overhead powerline grid connection
Job Title and Duties:	Project EAP
Value of Project:	R 250,000
Location:	Utrecht, KZN province, South Africa
Project duration/date:	2023 – August 2024 (Project terminated early by client)
Client:	Mulilo Renewable Developments
Name of Project:	Mulilo Utrecht WEF cluster grid connection BAs
Project Description:	Basic Assessments (x 3) for 132 kV overhead powerline grid connections for wind farm cluster
Job Title and Duties:	Project EAP
Value of Project:	R 500,000
Location:	Gqeberha (formerly Port Elizabeth), Eastern Cape, South Africa
Project duration/ date:	2022 - Ongoing
Client:	DFFE / Benguela Current Convention (BCC)
Name of Project:	BCC KwaZakhele SUDS design, BA & WULA
Project Description:	Conceptual design, Basic Assessment and WULA for development of Sustainable Urban Drainage Systems (SUDS) to improve water quality at four key locations in the Swartkops Estuary, Gqeberha.
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 500,000
Location:	Gqeberha (formerly Port Elizabeth), Eastern Cape, South Africa
Project duration/ date:	2021 - 2023 (including ECO during construction)
Client:	Easigas (Pty) Ltd
Name of Project:	Easigas Sidwell LPG storage expansion
Project Description:	Basic Assessment and implementation support (management plans, ECO) for increase in storage capacity at existing LPG storage depot, including contamination assessment (to determine legacy contamination on site)
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 500,000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/ date:	2019 – 2020
Client:	ACSA
Name of Project:	ACSA PE airport stormwater upgrade
Project Description:	Updated Basic Assessment for upgrades to stormwater infrastructure at the Port Elizabeth airport and Environmental Control Officer for construction
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 240 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience:

Basic Assessments

Location:	Coega IDZ, Eastern Cape, South Africa
Project duration/date:	2018 – 2020
Client:	BAIC South Africa
Name of Project:	BAIC paintshop BA
Project Description:	Basic Assessment and co-ordination of MHI permit application for development of paintshop and associated facilities for the construction of a new automobile plant at Coega IDZ
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 500 000
Location:	Molteno, Eastern Cape, South Africa
Project duration/date:	2018 – 2020
Client:	Engie Southern Africa
Name of Project:	Molteno Wind Energy Project
Project Description:	Screening study and overseeing of pre-construction monitoring for development of two wind energy facilities near Molteno. Project terminated by client before applying for environmental authorisation.
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 400 000
Location:	Kouga municipal area, Eastern Cape, South Africa
Project duration/date:	2018 - 2020
Client:	Kouga Municipality
Name of Project:	Kouga cemeteries BA and Section 30A Directive application
Project Description:	Screening study and Section 30A applications/ Basic Assessments for development of four cemeteries at various locations in the Kouga municipal area, including Water Use Authorisation Applications
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 450 000
Location:	Middelburg, Queenstown and Van Stadens, Eastern Cape, South Africa
Project duration/date:	2016
Client:	Department of Transport (EC)
Name of Project:	DoT Traffic Control Centres BA
Project Description:	Basic Assessments and Concept layouts (x 3) for development of traffic control centres at 3 locations (draft stage only – project terminated early by client)
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 200 000
Location:	Baviaanskloof, Eastern Cape, South Africa
Project duration/date:	2015 – 2016
Client:	Another Way Trust
Name of Project:	Baviaanskloof Leopard Trail BA
Project Description:	Basic Assessment for development of hiking trail facilities
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 100 000
Location:	Hopewell conservation area, Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2015 (project terminated early by client)
Client:	AfriCoast Energy
Name of Project:	Hopewell Solar PV BA
Project Description:	Basic Assessment for 9 MW solar PV facility
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R100 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience:

Basic Assessments

Location:	Alexandria area, Eastern Cape, South Africa
Project duration/date:	2014 – 2019
Client:	Wycombevale Broers Boerdery
Name of Project:	Wycombevale Vegetation Clearing BA and subsequent amendment
Project Description:	Basic Assessment for clearing of agricultural land for pastures
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 200 000
Location:	Cookhouse, Eastern Cape, South Africa
Project duration/date:	2014 – 2015
Client:	Blue Crane Route Municipality
Name of Project:	Cookhouse WWTW Upgrade BA and WULAs
Project Description:	Basic Assessment and Section 21 c, i, f & g WULAs for upgrade of existing wastewater treatment works
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 150 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2014 – 2017
Client:	Nelson Mandela Bay Municipality
Name of Project:	Walmer Gqebera housing BA, erf 1948, and subsequent amendment and implementation support (license applications, etc.)
Project Description:	Site suitability screening, Basic Assessment and subsequent amendment thereof for transitional and permanent low cost housing development
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 400 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2013 - 2014
Client:	Airports Company of South Africa (ACSA)
Name of Project:	PE airport stormwater upgrade BA and WULA
Project Description:	Basic Assessment and water use licensing for stormwater upgrade at PE airport
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator/manager
Value of Project:	R 135 000
Location:	East London, Eastern Cape, South Africa
Project duration/date:	2007 – 2008
Client:	Eastern Cape Department of Roads & Transport
Name of Project:	MSA Gonubie roads upgrade BA
Project Description:	Basic Assessment and water use license applications for Gonubie roads upgrade
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator
Value of Project:	R 135 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2009 – 2009
Client:	Makhetha Development Consultants (on behalf of NMBM)
Name of Project:	MDC Markman wastewater BA
Project Description:	Basic Assessment for construction of wastewater storage ponds
Job Title and Duties:	Environmental Assessment Practitioner, project coordinator.
Value of Project:	R 70 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience:

Basic Assessments

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2008 – 2009
 Client: Jacques du Plessis
 Name of Project: JDP Wells Estate Industrial Park BA
 Project Description: Basic Assessment for light industrial park
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 65 000

Location: Upington, Northern Cape, South Africa
 Project duration/date: 2009 – 2010
 Client: Fluopro Investments (Pty) Ltd
 Name of Project: Upington 5 MW Solar Energy Plant
 Project Description: BA for the development of a 5 MW solar energy facility
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 120 000

Location: Jansenville, Eastern Cape, South Africa
 Project duration/date: 2010 - 2010
 Client: Eonian Development (Pty) Ltd
 Name of Project: Eonian 10 MW Solar Energy Plant, Jansenville
 Project Description: BA for the construction of a 10 MW solar energy facility
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R 55 000

Location: Graaff-Reinet, Eastern Cape, South Africa
 Project duration/date: 2010 –2011
 Client: Camdeboo Municipality
 Name of Project: Graaff-Reinet waste landfill closure BA and Licensing
 Project Description: BA for the decommissioning & rehabilitation of an existing waste landfill facility, and application for closure license.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator
 Value of Project: R230 000

Key Experience:

Environmental management plans, licensing, auditing & other report types

Location: Aggeneys, Northern Cape, South Africa
 Project duration/date: 2023
 Client: Black Mountain Mining
 Name of Project: Gamsberg Mine EMPr, WULA and Waste License independent audits
 Project Description: Independent environmental audits to report to the licensing authorities on Gamsberg Mine's compliance with the conditions of their Environmental Management Programme (EMPr), Water Use License Authorisations (WULAS) and Waste Management License (WML).
 Job Title and Duties: Independent Environmental Auditor and reporting.
 Value of Project: R200 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental management plans, licensing, auditing & other report types

Location: Port Elizabeth, Eastern Cape, South Africa
Project duration/date: 2017 - 2023
Client: Nelson Mandela Bay Municipality
Name of Project: NMBM Emergency Drought Relief Services (numerous sub-projects)
Project Description: Environmental support to facilitate implementation of various drought relief projects (potentially including groundwater, desalination, effluent return schemes, and construction, expansion and repairs to supporting infrastructure). Services include EMPs, ECO, license applications (e.g. WULAs), Section 30A application (and subsequent amendments thereto) in support of exemption from environmental authorisation processes due to emergency conditions, and fulfilling the associated reporting requirements.
Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager.
Value of Project: R5,000 000

Location: Coega area, Eastern Cape, South Africa
Project duration/date: 2022 - 2023
Client: Nelson Mandela Bay Municipality
Name of Project: NMBM powerline bird monitoring
Project Description: Monitoring plan and monthly monitoring and reporting, inclusive of mitigation recommendations, to DEDEAT for protected bird collisions along powerline in the Coega area, Gqeberha.
Job Title and Duties: Project manager, review reports.
Value of Project: R145 000

Location: Hartenbos, Western Cape, South Africa
Project duration/date: 2022 - Ongoing
Client: MSBA (on behalf of SANRAL)
Name of Project: ECO and SCC reporting for Slope Stabilisation on National Route 2 Section 6, Hartenbos
Project Description: ECO function and protected vegetation removal permit applications for the slope stabilisation of a road cutting, and annual reporting on compliance with protected vegetation translocation permit (annually for 3 years).
Job Title and Duties: Project manager, review reports.
Value of Project: R350 000

Location: Humansdorp, Eastern Cape, South Africa
Project duration/date: 2018- 2021
Client: Eskom
Name of Project: Eskom Melkhout - Grassridge powerline upgrade ECO
Project Description: Environmental Control Officer for the upgrade of a powerline between Melkhout and Grassridge substations (~40 km)
Job Title and Duties: Project reviewer and manager.
Value of Project: R 400,000

Location: East London, Eastern Cape, South Africa
Project duration/date: 2018
Client: Express Petroleum
Name of Project: Express Petroleum fuel tanks 24G
Project Description: Section 24G application for construction of fuel storage tanks with a combined capacity of approximately 800 m³
Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager.
Value of Project: R 70 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental management plans, licensing, auditing & other report types

Location: Kouga, Koukamma and Ndlambe municipalities, Eastern Cape, South Africa
 Project duration/date: 2017 - 2019
 Client: MSBA (on behalf of the EC DRPW)
 Name of Project: MSBA Causeways ECO & water quality sampling
 Project Description: Environmental Control Officer and post-authorisation submissions to authorities for repairs to river crossings on the Kap, Kromme, Sand and Kariega rivers.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager.
 Value of Project: R 600 000

Location: Graaff Reinet, Eastern Cape, South Africa
 Project duration/date: 2017 - 2019
 Client: Richardt van Rensburg Inc.
 Name of Project: Irhafu Sand Mining Appeal
 Project Description: Review in support of appeal against authorisation for sand mining in the Sundays River floodplain
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager.
 Value of Project: R 50 000

Location: Humansdorp, Eastern Cape, South Africa
 Project duration/date: 2015 - 2019
 Client: Lex Gutsche Investment Trust
 Name of Project: RNA Aerodrome 24G Application
 Project Description: 24G process for construction of an airstrip and associated infrastructure
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager
 Value of Project: R 130 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2017- Ongoing
 Client: Nelson Mandela Bay Municipality
 Name of Project: NMBM Emergency Drought Relief Services (numerous sub-projects)
 Project Description: Environmental support to facilitate implementation of various drought relief projects (potentially including groundwater, desalination, effluent return schemes, and construction, expansion and repairs to supporting infrastructure). Services include EMPs, ECO, license applications (e.g. WULAs), Section 30A application in support of exemption from environmental authorisation processes due to emergency conditions, and fulfilling the associated reporting requirements.
 Job Title and Duties: Environmental Assessment Practitioner, project coordinator/ manager.
 Value of Project: R 4 700 000

Location: Motherwell canal, Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2015 (Phase 1) & 2016 (Phase 2)
 Client: Nelson Mandela Bay Municipality
 Name of Project: Motherwell constructed wetland maintenance ECO (Phase 1 & 2)
 Project Description: Compilation of EMP and ECO function for maintenance and repairs to constructed wetland as part of a water quality improvement project at the Mother stormwater canal
 Job Title and Duties: Environmental Assessment Practitioner; Environmental Control Officer.
 Value of Project: R 50 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental management plans, licensing, auditing & other report types

Location: Transnet facilities in Port Elizabeth and Uitenhage, Eastern Cape, South Africa
 Project duration/date: 2014
 Client: KPMG
 Name of Project: KPMG Transnet absorbent mat due diligence audit
 Project Description: Audit of the effectiveness and adherence to SOPs at various Transnet Engineering facilities with regard to environmental aspects.
 Job Title and Duties: Environmental Assessment Practitioner, project co-ordinator.
 Value of Project: R 30 000

Location: Kuyga township, Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2014 - 2016
 Client: Aecom (on behalf of NMBM)
 Name of Project: Aecom Kuyga sewers ECO
 Project Description: ECO function for construction of the upgrade of sewers and construction of a pumpstation in Kuyga township
 Job Title and Duties: Environmental Control Officer and project co-ordinator/ manager.
 Value of Project: R60 000

Location: Graaff Reinet area, Eastern Cape, South Africa
 Project duration/date: 2013 – 2014
 Client: Department of Roads and Public Works (Eastern Cape)
 Name of Project: Camdeboo Borrow Pits licensing and EMP
 Project Description: License application for re-development of seven existing borrow pits in the Camdeboo district municipal area.
 Job Title and Duties: Environmental Assessment Practitioner, project co-ordinator/ manager.
 Value of Project: R 500 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2012 – 2014
 Client: MSBA (on behalf of DRPW)
 Name of Project: R102 maintenance vegetation clearing
 Project Description: EMP and ECO function for the clearing and management of vegetation in the road reserve, including relevant permits, for a road maintenance contract
 Job Title and Duties: Environmental Control Officer and project co-ordinator/ manager.
 Value of Project: R 250 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2014 – 2015
 Client: Engen / Orion Engineered Carbons
 Name of Project: Orion PE Harbour Black Oil pipeline EMP
 Project Description: EMP and ECO function for TNPA approval for Black Oil pipeline replacement in Port Elizabeth harbour
 Job Title and Duties: Environmental Control Officer and project co-ordinator/ manager.
 Value of Project: R 35 000

Location: Tsolo, Eastern Cape, South Africa
 Project duration/date: 2013 – 2014
 Client: Uhambiso Consult
 Name of Project: Tsolo WWTW Water Use License Application
 Project Description: Water quality management report and water use license application for the Tsolo waste water treatment works.
 Job Title and Duties: Environmental Control Officer and project co-ordinator/ manager.
 Value of Project: R 45 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental management plans, licensing, auditing & other report types

Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2013 – 2014
Client:	Engen / Orion Engineered Carbons
Name of Project:	Orion PE Harbour pipeline EMP
Project Description:	EMP and ECO function for TNPA approval for HFO pipeline refurbishment
Job Title and Duties:	Environmental Control Officer and project co-ordinator.
Value of Project:	R 30 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2013
Client:	Shell (Pty) Ltd
Name of Project:	Shell PE harbour trenches
Project Description:	Provision of environmental advice and compilation of EMP for TNPA approval for installation of product recovery trenches at Shell's lease area the PE harbour.
Job Title and Duties:	Environmental Assessment Practitioner, project co-ordinator.
Value of Project:	R 30,000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2012 – 2016
Client:	Nelson Mandela Bay Municipality
Name of Project:	Nooitgedacht / Coega Low Level Water Supply Scheme
Project Description:	ECO for construction of a bulk water supply pipeline and associated infrastructure (including reservoirs and water treatment works)
Job Title and Duties:	Environmental Control Officer, project co-ordinator.
Value of Project:	R 2 300 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2012 – 2016
Client:	Metrowind
Name of Project:	Metrowind van Stadens wind farm
Project Description:	ECO for construction of a 27 MW wind farm and associated infrastructure.
Job Title and Duties:	Environmental Control Officer, project co-ordinator.
Value of Project:	R1 590 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2010
Client:	Nelson Mandela Bay Municipality
Name of Project:	Heugh Road Upgrade EMP
Project Description:	EMP for widening and upgrading of Heugh Road.
Job Title and Duties:	Project reviewer.
Value of Project:	R 67 000
Location:	Port Elizabeth, Eastern Cape, South Africa
Project duration/date:	2010
Client:	Eris Property Group
Name of Project:	Construction of First National Bank Newton Park Building
Project Description:	EMP and ECO for construction
Job Title and Duties:	Project reviewer.
Value of Project:	R 11 000

Nicola Rump

Associate Partner / Principal Environmental Scientist

Key Experience: Environmental management plans, licensing, auditing & other report types

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2009 – 2011
 Client: Nelson Mandela Bay Municipality
 Name of Project: Churchill Pipeline Upgrade
 Project Description: ECO for upgrade of Churchill pipeline and construction of booster pump station
 Job Title and Duties: Environmental Control Officer, project co-ordinator.
 Value of Project: R 200 000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2008
 Client: Nelson Mandela Bay Municipality
 Name of Project: NMBM Moffett Dam
 Project Description: Compilation of EMP and ECO duties for repairs to dam wall
 Job Title and Duties: Environmental Control Officer, project co-ordinator.
 Value of Project: R 300 000

Location: Deal Party, Port Elizabeth, Eastern Cape, South Africa
 Project duration/date: 2008
 Client: Reclamation Group
 Name of Project: Reclamation Group Phase 1 Environmental Due diligence
 Project Description: Phase 1 environmental due diligence site audit and reporting on environmental compliance aspects of recycling facilities
 Job Title and Duties: Environmental Assessment Practitioner
 Value of Project: R 30 000

Location: Herbertsdale, Western Cape, South Africa
 Project duration/date: 2008 – 2009
 Client: KFD Wilkinson Engineers (on behalf of DRPW)
 Name of Project: KFDW Herbertsdale culverts ECO
 Project Description: ECO overseeing repairs to damaged river crossings and culverts resulting from previous floods
 Job Title and Duties: Environmental Control Officer, project co-ordinator.
 Value of Project: R 145 000

Location: King Williams Town, Eastern Cape, South Africa
 Project duration/date: 2008
 Client: Chevron South Africa
 Name of Project: Chevron King Williams Town EMP
 Project Description: Environmental Management Plan for re-opening of service station (for approval by DME)
 Job Title and Duties: Environmental Assessment Practitioner, project co-ordinator
 Value of Project: R 12 000