

Appendix A: Independent Environmental Assessment Practitioners CV

PAUL-PIERRE STEYN

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OBJECTIVE

This resume provides a summary of relevant employment, experience and educational background.

EXPERIENCE

2007–2011 Public Process Consultants, Port Elizabeth, SA

Environmental Scientist

Tasks and responsibilities:

- Provide assistant project management on Basic Assessment, as well as Scoping & Environmental Impact Assessments.
- Prepare Environmental Assessment Reports (Basic Assessment & Scoping and EIA) and Environmental Management Programs.
- Conduct Biophysical, Botanical and Ecological Assessments.
- Prepare Specialist Reports and Chapters in capacity as Botanical and Ecological Specialist.
- Conduct environmental audits and generate audit reports for Environmental Control Officer appointments.
- Basic GIS based mapping and spatial data analysis.
- Content management for resources and public review documents on the company website.

2000–2006 Nelson Mandela Metropolitan University, *Botany Dept.*, Port Elizabeth, SA

Contract Lecturer

Tasks and responsibilities:

- Prepare and present undergraduate and post graduate courses in Marine Botany, Plant Toxicology, Environmental Management, Plant Evolution and Systematics.
- Present practical courses in Botany and Botanical Techniques at undergraduate and post-graduate level.
- Supervise undergraduate and post-graduate (honors level) student research projects.
- Provide field support and supervision for research students.

2000–2006 SAB Institute for Environmental and Coastal Management,
Port Elizabeth, SA

Independent Specialist Consultant – Short Term Contracts

Tasks and responsibilities:

- Provide specialist input, data collection and analysis for marine based projects and Environmental Assessments.
- Contribute to Specialist Chapters and Environmental Reports.
- Conduct field work and data collection for environmental monitoring and assessment projects.

EDUCATION

1996 University of Port Elizabeth

Port Elizabeth, SA

- BSc - Botany and Zoology

1997 University of Port Elizabeth

Port Elizabeth, SA

- BSc Hons – Botany (Specialization – Marine Botany)

Tank cultivation of the red alga *Placodium corallorhiza*.

Desiccation tolerance in intertidal seaweed *Gelidium pristoides*.

2000 University of Port Elizabeth

Port Elizabeth, SA

- MSc - Botany

Dissertation: Comparative study of the production and suitability of two *Ulva* species as abalone fodder in a commercial culture system.

2009 Nelson Mandela Metropolitan University

Port Elizabeth, SA

- PhD - Botany

Thesis: The Ecophysiology of the agarophyte *Gelidium pristoides* towards commercial production.

INTERESTS

Marine Macroalgal Physiology, Marine Intertidal & Coastal Ecology, Mariculture, Conservation Planning, Restoration Ecology.

AFFILIATIONS

Member: *South African Association of Botanists (SAAB)*, *International Association for Impact Assessment – South Africa (IAIASa)*, *Phycological Society of South Africa (PSSA)*

Research Associate: *Nelson Mandela Metropolitan University – Botany Department*

REPORTS & PRESENTATIONS

REPORTS

Steyn, P. & Wren, S. 2009. Environmental Management Programme: Repair / Reconstruction of Chelmsford / Baakens Valley Low Level Bridge (DEDEA Ref No.: ECm1/386/M/08-91), Version 1.1 – 28 July, Prepared for SJW Civils

Steyn, P. & Wren, S. 2009. Environmental Management Programme: New Brickmakerskloof Bridge, (DEDEA Ref. No.: ECm1/386/M/08-85), Version 1.0. Prepared for Basil Read - Newport JV.

Steyn, P. & Wren, S. 2009. Environmental Management Plan for the Construction and Operation of Broiler Facilities on Farm 690 Disco, Sundays River Valley Municipality. DEDEA Ref. No.: EC06 / 386 / 1(h)v / 08 – 140, Version 1.0. Prepared for Venter Family Trust.

Steyn, P. & Wren, S. 2009. Environmental Management Plan for the Construction and Operation of Broiler Facilities on Farm 191 Coegakammaskloof, Version 2. Prepared for Crown Chickens.

Steyn, P. & Wren, S. 2009. Environmental Audit: Rising Main Installation, Project: Construction of a new 1500 meter pipeline. Report prepared for Jeffares and Green Consulting Engineers.

Wren, S. & Steyn, P. 2009. Final Scoping Report, Scoping and Environmental Impact Assessment for the proposed Zeekoei Development, Farm 793, Zeekoeirivier, Kouga Municipality, (EC08/387/M/08-146). Prepared for: Technospect (Pty) Ltd.

Wren, S. & Steyn, P. 2009. Environmental Management Plan for the Construction and Operation of Additional Liquid

- Nitrogen Bulk Storage Facilities, Umicore Autocat SA (Pty) Ltd, Erf 790, John Tallant Road, Deal Party, Version 1.0. Prepared for Umicore Autocat SA (Pty) Ltd.
- Wren, S. & Steyn, P. 2009. Draft Scoping Report, Proposed Biogas Extraction, Storage and use, SAB Ibhayi, Perseverance, NMBM. Prepared for: SAB Ibhayi.
- Wren, S. & Steyn, P. 2009. Basic Assessment Report, Upgrading and Installation of New Bulk Stormwater Reticulation, Summerstrand, NMBM. Prepared for: Nelson Mandela Bay Municipality.
- Wren, S. & Steyn, P. 2009. Basic Assessment Report, Proposed Increase in Liquid Nitrogen Bulk Storage Capacity, Umicore Autocat SA (Pty) Ltd. Prepared for: Umicore Autocat South Africa (Pty) Ltd.
- Steyn, P. & Wren, S. 2008. Environmental Management Plan for the Construction and Operation of Poultry Rearing Facilities on Portion 31 of farm 390 Boschfontein. Prepared for Crown Chickens, Prepared by: Paul-Pierre Steyn and Sandy Wren.
- Wren, S. & Steyn, P. 2008. Scoping and Environmental Impact Assessment for the proposed Coega Ridge Development, Nelson Mandela Bay Municipality (ECM1/387/M/08-09), Final Scoping Report. Prepared for: Kings Crest Properties (Pty) Ltd trading as Coega Ridge Development.
- Wren, S. & Steyn, P. 2008. Scoping and Environmental Impact Assessment for the proposed Amanzi Country Estate, Nelson Mandela Bay Municipality (ECM1/387/M/07-134), Draft Scoping Report. Prepared for: Amanzi Lifestyle (Pty) Ltd.
- Wren, S. & Steyn, P. 2008. Final Environmental Impact Assessment Report, Winterhoek Park Extension, Uitenhage, Project Ref. No.: ECM1/387/M/07-88. Prepared for: Nelson Mandela Bay Municipality c/o SRK Consulting.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report: Construction and Operation of Broiler Facilities, Farm 690 Disco, Sundays River Valley Municipality. DEDEA Ref. No.: EC06 / 386 / 1(h)v / 08 – 140. Prepared for: Venter Family Trust.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report. Portion 67 of the farm 10 Little Chelsea. Prepared for Crown Chickens.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report. Portion 14 of the farm 407 Draaifontein. Prepared for Crown Chickens.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report, Proposed Water Abstraction and Supply from a Borehole, Glenconner, Cacadu DM. Prepared for SRK Consulting Engineers.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report, Farm 191 Coega Kammas Kloof. Prepared for: Crown Chickens.
- Wren, S. & Steyn, P. 2008. Final Basic Assessment Report, Altivex 347 Pty Ltd, Erf 1846, Norvic Drive, Perridgevale, NMBM. Prepared for: Altivex 347 Pty Ltd c/o Mike Shefer.
- Wren, S. & Steyn, P. 2008. Environmental Management Plan for the Construction and Operation of Broiler Facilities on Portion 67 of Farm 10 Little Chelsea, Prepared for Crown Chickens.
- Wren, S. & Steyn, P. 2007. Final Scoping Report, Winterhoek Park Extension, Uitenhage. Prepared for: Nelson Mandela Bay Municipality c/o SRK Consulting.
- Wren, S. & Steyn, P. 2007. Final Basic Assessment Report. Construction and Operation of a Broiler Housing Facility, Portion 1 of the farm 398 Nooitgedacht. Prepared for Crown Chickens.
- Wren, S. & Steyn, P. 2007. Environmental Management Plan: Upgrading of Sewer Pump Station No 1 and Construction of a new 1500 meter pipeline, Extension 3, Hankey, Kouga Municipality. Report prepared for Kouga Municipality c/o Jeffares and Green Consulting Engineers
- Steyn, P. 2007. Biophysical Sensitivity Assessment for Portion 31 of Farm 390 Boschfontein, Prepared for Crown Chickens.
- Steyn, P. 2007. Baseline Vegetation Assessment for Portion 76 of farm 416 Brakkefontein, Prepared for Crown Chickens.
- Steyn, P. 2007. Biophysical Sensitivity Assessment for Portion 1 of Farm 398 Nooitgedacht. Prepared for Crown Chickens.
- Steyn, P. & Wren, S. 2007. Environmental Audit: Sewage Pump Station Construction, Project: Upgrade of Sewer Pump Station no. 1, Hankey. Report prepared for Jeffares and Green Consulting Engineers.
- Klages N.T.W., E.E. Campbell and P-P., Steyn 2006. Port of Ngqura marine biomonitoring programme. Summer 2005/2006. Integrated Environmental & Coastal Management Report C138.
- Klages, N.T.W., Bornman, T.G. & Steyn, P. 2004. Proposed construction of a public coastal walkway along the De Bakke and Santos land parcels in Mossel Bay. Prepared for SRK Consulting.
- Steyn, P.P. & Klages, N.T.W. 2003. Environmental Management Programme Report for Mooifontein Quarry. Prepared for Mr Andre Klopper.

CONFERENCE PRESENTATIONS

- Poster presentation at PSSA Conference 1998 (Outdoor tank cultivation of *Ulva lactuca*.)
- Paper presentation at PSSA Conference 1999 (A comparison of the production and suitability of two *Ulva* species as abalone fodder in a commercial mariculture system.)
- Poster presentation at PSSA Conference 2000 (Stress response of the red alga *Gelidium pristoides*, under exposed and immersed

- conditions.)
- Poster presentation at PSSA Conference 2002. (Growth and photosynthesis of *Gelidium pristoides* from an experimental tidal tank system.)
- Poster presentation at SAAB Conference 2002 (South African Association of Botanists). (Salinity and temperature tolerance in the intertidal rhodophyte *Gelidium pristoides* (Turner) Kuetzing.)
- Poster presentation at PSSA Conference 2003. (Photosynthesis of *Gelidium pristoides* in response to temperature, salinity, irradiance, pH and Ca+)
- Paper presented at South African Marine Science Symposium 2005 (Durban). (The Ecophysiology of *Gelidium pristoides* (Turner) Kuetzing: Towards commercial cultivation.)
- Poster presentation at SAAB Conference 2006. (Differences in the Intertidal Seaweed Communities of Wave Exposed and Sheltered Rocky Shores.)
- Paper presentation at SASAQS 2006. (South African Association for Aquatic Sciences). (Differences in the Intertidal Seaweed Communities of Wave Exposed and Sheltered Rocky Shores: Implications for Port Biomonitoring.)

REFERENCES

Dr D.R. Du Preez, Director – School of Environmental Sciences, Nelson Mandela Metropolitan University, Tel.: +27 41 504 2721, e-mail: Derek.DuPreez@nmmu.ac.za (former employer)

Prof E.E. Campbell, Head of Department - Department of Botany, Nelson Mandela Metropolitan University, Tel.: +27 41 504 2329, e-mail: Eileen.Campbell@nmmu.ac.za (former employer)

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Curriculum Vitae (CV) For Sandra Jane Wren

Name of Firm:	Public Process Consultants cc.
Name of Staff:	SANDY Jane Wren
Position:	Sole Member (100% ownership)
Profession:	Public Participation Process Specialist and Environmental Impact Assessment Management
Specialisation:	Public participation process design and management for Strategic Environmental Assessments (SEA), Environmental Impact Assessments (EIA's), Policy Development Processes. Client, community liaison and report writing. Environmental Impact Assessment Management.
Languages:	English, excellent speaking, reading, and writing Afrikaans, good speaking, reading and writing

KEY QUALIFICATIONS

- Sandy Wren is a graduate from the University of Port Elizabeth (UPE) majoring in Political Science, Sociology and Industrial and Organisational Psychology.
 - Sandy has an Honours Degree in Development Theory which includes courses in Environmental Management and Impact Assessment for which she obtained distinctions.
 - Project Management for Local Government co-sponsored by the Economic Development Institute of the World Bank.
 - Training and Facilitation through Idasa Eastern Cape
 - Group Dynamics Training
 - Communication Skills and Training
 - Management by Objectives
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PROFESSIONAL EXPERIENCE

Vehicle Sales, Avis Rent a Car

Responsible for the sale of vehicles to trade and the public as they were retired as rental vehicles

Sales, Pierre's Diamonds, St Thomas, US Virgin Islands, Caribbean

Responsible for the design and sale of precious stones to passing trade.

Regional Coordinator, Idasa Eastern Cape

Responsible for project planning, budgeting, coordination of conferences, meetings and events. Main focus of activity bringing about non-racial local authorities, first non-racial local authority established in Port Elizabeth.

Voter education and training for the first democratic elections and coordination of observers.

1995 Regional Director, Idasa Eastern Cape

As Regional Director of IDASA Sandy gained extensive experience in project management, co-ordination, training and facilitation of various interest groups, levels of government, community organisations, and other structures within civil society. Sandy while at Idasa covered the following projects:

- *Facilitation of the establishment of non-racial local government structures in the Eastern Cape*
- *Administrative co-ordination of the development of a regional economic development plan*
- *Conference co-ordination*
- *Voter Education Training and Co-ordination*
- *Community Courts Conference Co-ordination*
- *Community facilitation for Local Government Structure Plans*

- *Public Participation process design and management*
- Public participation for Strategic and Environmental Impact Assessments

May 1997- April 2000 Public Process Consultants

In May 1997 Sandy Wren opened public process consultants, which specialises in Public Participation Processes for EIA's and SEA's. In order to meet the requirements for Black Economic Empowerment Sandy Wren established Sandy and Mazizi Consulting with her former employee Mazizi Msutu. This provided Mr Msutu with a 50% equal share holding in the business. The services formerly provided by Public Process Consultants continued to be provided by Sandy and Mazizi Consulting cc.

May 2000 to June 2004 Sandy & Mazizi Consulting cc.

The main focus of the company continues to be in the area of social involvement in the various stages of development with its majority expertise in public participation in EIA's, SEA's, and policy development processes. During this period Sandy developed experience and expertise in the management of Environmental Impact Assessments.

*July 2004 to **PRESENT** Public Process Consultants*

Sandy Wren continues to provide the professional service she has always provided under the banner of Public Process Consultants. The expertise provided by the company includes the management of Environmental Impact Assessments, Basic Assessments, Strategic Environmental Assessments, Environmental Management Programmes and Environmental Control Office Services. PPC offers specialist expertise in the area of Public Participation for Integrated Environmental Management. Public Process Consultants is a balanced team offering extensive experience in the management of Integrated Environmental Management processes with a sensitivity towards the biophysical environment coupled with the needs of the formerly disadvantaged community in addition to above average report writing, communication and administration skills.

CONSULTING EXPERIENCE

Scoping and EIA Experience

The following provides an overview of Scoping and EIA processes managed by Sandy Wren:

- Service Station at Humerail, Port Elizabeth
- Morton Bay, Humerail, Port Elizabeth, a multi-purpose commercial property development
- Brookes Hill Caravan Park, Humewood Port Elizabeth
- Quarter Mile Oval Racing Track, Schoenmakerskop Sports Centre (stock car racing track)
- Expansion and upgrading of Smart Stone, Victoria Drive, Port Elizabeth
- Construction of a Wedding Venue on the Sardinia Bay Road
- Residential development of Arlington Race Course, Victoria Drive
- Residential development of varying densities, Walmer Heights, Port Elizabeth
- Proposed Amanzi Country Estate (Lifestyle and eco estate) consisting of a golf course, hotel, residential units (approx 900), equestrian facilities, cricket field and various heritage components
- Proposed Coega Ridge Development consisting of low to high density housing as well as light industrial, commercial and retail facilities
- Upgrade of Sewer Pump Station No 1 and construction of a new 1500 meter pipeline, Hankey Extension 3
- Winterhoek Park Ext, Uitenhage (residential development)
- Zeekoei River residential and mixed use development, Humansdorp
- EIA for a new residential development at Goedemoedsfontein, Seaview, Port Elizabeth
- EIA for the upgrading of Matanzima and Mel Brooks Road, Uitenhage
- EIA for a Residential and Mixed Use Development, Fairview Port Elizabeth
- EIA for SA Breweries, Biogas Storage Facility, NMBM
- EIA for a residential development, Willow Tree Country Estate, Sunlands

- EIA for NiRoVe Paint Stripping, Perseverance, NMBM
- EIA for the Weston Waste Water Treatment Works, Weston, Hankey
- EIA for Landdrost, clearing of agricultural land, Kirkwood

Basic Assessment Experience

The following provides an overview of the Basic Assessment Processes managed by Sandy Wren:

- Residential and mixed use development of Erf 1846, Perridgevale
- Borehole, water pipeline and power line, Glenconnor
- Installation of additional Nitrogen tanks at Umicore, Port Elizabeth
- Theesecombe erf 235, new residential development
- the Upgrading of Bulk Stormwater Infrastructure, a Portion of Macon Road Lorraine
- Upgrading of Bulk Stormwater Infrastructure, Summerstrand, NMBM
- Installation of minor stormwater infrastructure, Cluster H, Kwanobuhle, Uitenhage, Cluster B, Kuyga, Cluster A, Wells Estate and Khayamnandi.
- Citrus Packhouse, Blinkwater, Fort Beauford
- Above Ground Fuel Storage Facilities, Rocklands Factory, Uitenhage
- Various Basic Assessments for the establishment of new Broiler House facilities for Rocklands Poultry (Loerie, Nooidgedacht, Kirkwood, Boshfontein, Accurate, Lakeside and Altona)
- Residential Development, Arcadia, Humansdorp, Kouga Municipality
- Residential Development, Weston, Hankey, Kouga Municipality
- Residential Development, Erf 722, Theesecombe
- Residential Development, erf 2377, Theesecombe
- Photovoltaic Solar Energy Project, Graff Reiniet
- Installation of Water Supply, Glenconnor
- Agricultural Development, Logan Braes, Addo

Public Participation Experience

The following provides an overview of the specialist public participation services managed by Sandy Wren:

- Kouga Wind Energy Project (Mainstream), Jeffreys Bay
- Electrawinds Wind Energy Project, Coega IDZ
- Universal Wind Energy Project, Coega IDZ
- Ubuntu Wind Energy Project, Jeffreys Bay
- Broadlands Photovoltaic Solar Energy Project, Humansdorp
- Expansion of the Addo Elephant National Park
- Wild Coast Biodiversity Strategic Plan
- Establishment of a Marine Protected Area for Addo
- Liquid Natural Gas to Power Project, Coega IDZ
- Coega Aluminium Smelter
- Coega IDZ and Port of Ngqura including Mining of Coega Kop Quarry
- Audit Report for SANParks Resettlement Action Plan
- Establishment of a Marine Pipeline Servitude in the Coega IDZ
- Business Plan for a Desalination Facility for the Nelson Mandela Bay Municipality
- National Coastal Policy for SA (Fish River to Heidelberg)
- Comprehensive Urban Plan for Port Elizabeth
- Integrated Structure Plan for Walmer
- Integrated Waste Management Plan for the Nelson Mandela Metropolitan Municipality

- Algoa Bay Management Plan Review
- Strategic Plan for the development of a Seabird and Marine Animal Rehabilitation Centre
- Identification of Users of Algoa Bay and their needs
- Relocation Policy and Plan Greater Addo Elephant National Park
- Biodiversity Conservation Assessment and Action Plan for the Wild Coast
- Regional General and Hazardous Waste Processing facility for the Nelson Mandela Bay Region