

## CONTACT DETAILS

<b>Name of Company</b>	<b>CES – Environmental and Social Advisory Services</b>
<b>Designation</b>	Port Elizabeth Branch
<b>Profession</b>	Principal Environmental Consultant and Branch Manager
<b>Years with firm</b>	12 Years
<b>E-mail</b>	<a href="mailto:chantel.johnson@cesnet.co.za">chantel.johnson@cesnet.co.za</a>
<b>Office number</b>	+27 (0)87 549 0237
<b>Nationality</b>	South African
<b>Professional Registration</b>	SACNASP (Professional Natural Scientist – Environmental Science)
<b>Key areas of expertise</b>	<ul style="list-style-type: none"><li>➤ Environmental Impact Assessments (including stakeholder engagement such as focus group meetings, meetings with local government officials, etc.)</li><li>➤ Environmental Management Programmes</li><li>➤ Monitoring Programmes</li><li>➤ High Level GHG Emissions Assessments</li><li>➤ Land and Natural Resource Use Assessments (liaising with local communities via focus group meetings in regards to land use, including agriculture, natural resources use, etc.)</li><li>➤ Estuarine Assessments</li><li>➤ Team Leader for land surveys completed for a RAP process in Mozambique</li><li>➤ Rehabilitation Assessments</li><li>➤ Mine Closure Reports</li></ul>

## PROFILE

### **Dr Chantel Johnson (nee Bezuidenhout)**

Dr Chantel Johnson holds MSc and PhD degrees in Botany (estuarine ecology) and a BSc degree in Botany and Geography from NMMU. Chantel has been an Environmental Consultant for approximately 16 years and as such has been focused on environmental management and impact assessment. Chantel is well versed in environmental legislation and has managed a number of environmental impact assessments and management plans for heavy mineral mining in South Africa, Mozambique and Madagascar, as well as a number of EIAs for open cast mines (copper, nickel, graphite) in Zambia and Mozambique. These projects have been completed to international standards (IFC and World Bank) and have been granted authorisation by their host countries. Chantel is also well versed in stakeholder engagement and stakeholder processes, all EIAs that has been managed by Chantel has included community consultations and as such Chantel has been used for various forms of community engagement in rural African settings. Chantel has also been extensively involved in the data collection and report writing for land and natural resource use assessments in both Madagascar and Mozambique. The data gathering component involves expensive community meetings in order to establish land use (including agriculture) and natural resource use within the communities and wider regions. Chantel has

completed extensive land surveys as part of a Resettlement processes for a heavy minerals mines in Mozambique as well as in-kind compensation surveys in Tanzania. She is currently a principal consultant and Branch Manager of the Port Elizabeth Office as well as the Mozambique Office of CES.

**EMPLOYMENT  
EXPERIENCE**

**Principal Environmental Consultant, Coastal and Environmental Services**

*October 2011 - Present*

- Project Management
- Report Production (EIR, BAR, EMPr)
- Public Participation, including community meetings, focus group meetings, liaison with government department, etc.
- Specialist Assessments (Estuarine, High Level GHG, Rehabilitation, Mine Closure & Land and Natural Resource Use)
- Team Leader for Land Surveys undertaken as part of the Resettlement Process
- Quality Control

**Environmental Consultant, CEN IEM Unit**

*February 2008 – September 2011*

- Project Management
- Report Production (EIR, BAR, EMPr)
- Public Participation

**ACADEMIC  
QUALIFICATIONS**

**NMMU, Port Elizabeth**

PhD  
2011

**NMMU, Port Elizabeth**

MSc  
2003

**NMMU, Port Elizabeth**

BSc Hon  
2001

**NMMU, Port Elizabeth**

BSc  
2000

**PUBLICATIONS**

- Adams, J.B., Bornman, T.G. and Bezuidenhout, C. 2005. Specialist Report: Macrophytes. Olifants / Doring catchment. Ecological Water Requirements study, Olifants Estuary. Report submitted to CSIR, Environmentek, Stellenbosch. 39pp.
- Bezuidenhout, C., J.B. Adams and Bornman, T.G. 2005. Specialist Report: Macrophytes. Kromme Estuary Resources Directed Measures Study. Report submitted to the CSIR on behalf of the Department of Water Affairs and Forestry. 61pp.
- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2004. Present status of the Orange River mouth wetland and potential for rehabilitation. Prepared for Working for Wetlands, South African National Biodiversity Institute. Nelson Mandela Metropolitan University. IECM Research Report No. 43. 54 pp.
- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2004. Adaptations of salt

**NATIONAL  
CONSULTING  
EXPERIENCE (SELECTED  
PROJECTS)**

- march to semi-arid environments and management implications for the Orange River mouth. *Transactions of the Royal Society of South Africa* 59(2): 125-131.
- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2005. Salt marsh characteristics and freshwater requirements of a cool temperate versus a warm temperate estuary. 12th Southern African Marine Science Symposium. Durban, Kwazulu-Natal.
  - Environmental Impact Assessment for the proposed residential development at the existing golf course in Grahamstown, Eastern Cape Province of South Africa (2012).
  - Environmental Impact Assessment for the proposed golf course development at Belmont Valley, Grahamstown, Eastern Cape Province of South Africa (2012).
  - Basic Assessment for the proposed development of a 13 MW Photovoltaic energy generating facility in the Coega Industrial Development Zone (Zone 12), Port Elizabeth, Eastern Cape Province. Authorization received 29/02/12.
  - Environmental Impact Assessment for the Mooi-Mgeni Transfer Scheme – Phase 2, KwaZulu-Natal Province, South Africa (2012).
  - Environmental Impact Assessment for the proposed Peddie Wind Energy Project, Ngqushwa Local Municipality, Eastern Cape Province of South Africa (2012).
  - Environmental Impact Assessment for the proposed Kamiesberg Heavy Mineral mine in Namaqualand, Northern Cape Province (2014).
  - Basic Assessment for a prospecting right in the North-West Province (2019).
  - Scoping Report for a Coal to Urea Plant in Witbank, Mpumalanga (2020).
  - Environmental Impact Assessment for a Marine Intake and Outfall Servitude(s), Eastern Cape (2020).
  - Basic Assessment for mine waste residue facility in the North-West Province, South Africa (2021).
  - Due Diligence for a heavy minerals mine in the Western Cape, South Africa (2021).
  - Screening Report for a 400 kV powerline in the Eastern Cape, South Africa (2021).
  - Environmental Impact Assessment for a co-disposal facility and waste rock dump, Limpopo Province, South Africa (2021).

**INTERNATIONAL  
EXPERIENCE  
(SELECTED PROJECTS)**

- Environmental Impact Statement for a large scale copper mine in the North-Western Province of Zambia (2012).
- Environmental Impact Statement for a large scale nickel mine in the North-Western Province of Zambia (2014).
- Environmental and Social Impact Assessment for a heavy minerals mine in the Toliara Province, Madagascar (2014).
- Project Manager: Graphite Mine in Cabo-Delgado Province, Mozambique (2015).
- Environmental and Social Impact Assessment for a subsea cable in Mozambique (2021).
- Environmental Impact Assessment for a subsea fibre optic cable, Maputo, Mozambique (2022)
- Coastal and Environmental Services. Environmental Impact Assessment for a

**SPECIALIST WORK  
(SELECTED PROJECTS)**

- subsea fibre optic cable, Nacala, Mozambique (2022)
- Environmental Impact Assessment for a Heavy Minerals Mine in Moma District, Nampula Province, Mozambique (2022)
- Environmental Impact Assessment for a Heavy Minerals Mine in Larde & Moma Districts, Nampula Province Mozambique (ongoing)
- Environmental Impact Assessment for a tailings storage facility and associated infrastructure in Nampula Province, Mozambique (ongoing)
- Environmental Impact Assessment for a Hydroscheme and associated infrastructure in Gaza Province, Mozambique.
  
- Land and Natural Mineral Resources Assessment for a heavy minerals mine in the Toliara Province, Madagascar (2013).
- Land and Natural Mineral Resources Assessment Iron ore mine in Tete Province, Mozambique (2015).
- Land and Natural Mineral Resources Assessment graphite mine in Cabo Delgado Province, Mozambique (Ancuabe) (2016).
- Land and Natural Resources Assessment graphite mine in Cabo Delgado Province, Mozambique (Nicanda Hills) (2016).
- Land and Natural Resources Assessment heavy minerals mine in Nampula Province, Mozambique (2018).
- High Level GHG Assessment for Kenmare Moma Heavy Minerals Mine, Mozambique (2016).
- High Level GHG Assessment for Ranobe Heavy Minerals Mine, Madagascar (2017).
- Rehabilitation Strategy for a heavy minerals mine in Mozambique (2018).
- Closure Report for a graphite mine in Cabo Delgado Province, Mozambique (2018).
- Estuarine Assessment for a heavy minerals mine in Nampula Province Mozambique (2018).
- Rehabilitation Plan for a heavy minerals mine in Brazil (2021).

**RESETTLEMENT WORK  
(SELECTED PROJECTS)**

- Team Leader for large land survey undertaken as part of the resettlement process for a heavy minerals mine in Moma District, Nampula Province, Mozambique (2017).
- In-Kind Compensation Surveys for bulk infrastructure in Tanzania (2018).
- Team Leader for large land survey undertaken as part of the resettlement process for a heavy minerals mine in Moma & Larde Districts, Nampula Province, Mozambique (2022).
- Team Leader for large land survey undertaken as part of the resettlement process for a tailings storage facility and associated infrastructure in Larde District, Nampula Province, Mozambique (2022).

**CERTIFICATION**

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

**CHANTEL JOHNSON**

Date: January 2023