

## **BRIAN COLLOTY**

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Date of Birth: 21 December 1972  
Languages: English, Afrikaans, Xhosa

### **QUALIFICATIONS**

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- B. Sc. [Natural Sciences] - University of Port Elizabeth 1994
- B. Sc. Honours [Zoology] - University of Port Elizabeth 1995
- M.Sc. [Botany] - University of Port Elizabeth 1996 - The Structure and Status of the Keiskamma River.
- Ph.D. - The botanical importance rating of estuaries in the Ciskei and Transkei region. Funded by the Water Research Commission. University of Port Elizabeth.

### **PROFESSIONAL MEMBERSHIPS**

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- Member of the South African Association of Aquatic Scientists (2005 – present)
- Member of Southern African Institute of Ecologists and Environmental Scientists (SAIEES)
- Professional Natural Scientist – SACNASP (Ecologist - 400268/07)
- Certified Environmental Assessment Practitioner (EAPSA)

### **EMPLOYMENT EXPERIENCE**

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- **Director Scherman Colloty and Associates (Current) – Ecologist and Environmental Assessment Practitioner.**
  - Daily management and project administration of the Environmental Impact Assessments (EIA) and Basic Assessments (BA).
  - Compilation of Environmental Management Programme Reports (EMPR's).
  - Strategic Planning, Conceptual designs, and sensitivity assessments
  - Drafting of Development Guidelines and Conservation Management Guidelines, River Rehabilitation Plans and EMPS.
  - Specialist faunal and floral studies, with specific reference to estuaries, riparian zones, wetlands, coastal forests, grasslands and savannas.
- **Principal Environmental Consultant, Coastal & Environmental Service (July 2005 – 2009) - Project management and Ecologist.**
  - Daily management and project administration of the Environmental Impact Assessments (EIA) and Basic Assessments (BA).
  - Compilation of Environmental Management Programme Reports (EMPR's).
  - Strategic Planning, Conceptual designs, and sensitivity assessments
  - Drafting of Development Guidelines and Conservation Management Guidelines, River Rehabilitation Plans and EMPS.
  - Specialist faunal and floral studies, with specific reference to estuaries, riparian zones, wetlands, coastal forests, grasslands and savannas.
- **Project Manager and Ecologist, Strategic Environmental Focus (February 2003 – June 2005):**
  - Daily management and project administration of the Environmental Impact Assessment (EIA) process.
  - Compilation of Scoping and Environmental Impact Reports and Environmental Management Plans.
  - Strategic Planning, Conceptual designs and sensitivity assessments.
  - Drafting of Development Guidelines and Conservation Management Guidelines, River Rehabilitation Plans and EMPS.
  - Specialist faunal and floral studies, with specific reference to estuaries, riparian zones, wetlands, coastal dunes, grasslands and savannas.
- **Project and financial management, AVK SA: (2001 – January 2003) Tasks include:**

- Training – lead seminars on technical aspect of designing water and sanitation systems
- **Researcher, Dept of Botany (funded by the Water Research Commission): (1996 - 2000)**  
**Specialisation:**  
 Expertise in the development of importance rating and monitoring methods.  
 Disciplines include Botany, estuaries (marine bays) coastal riverine health, project management.  
 Botanical scoping report for EIA of the Coega development – Estuarine component, 1996.  
 Swartkops River, Estuarine Flow Requirements study - Changes in botanical importance over the past fifty years. Submitted to the Department of Water Affairs 1997. This methodology is currently used by KwaZulu-Natal Nature Conservation Services to monitor the aquatic ecology of St Lucia and by Richard's Bay Minerals to monitor the effects of dredgers passing across the Nhlabane Lake system.  
 EIA report (Biology) for proposed Kasuka coastal development – Report editor. Submitted to A & E Property Developments, October 1998.  
 Planning estimate of the water reserve for the estuaries in the Pondoland region – Vegetation. Submitted to the Department of Water Affairs and Forestry, May 1999.  
 Preliminary site investigation into the impact of proposed dam sites for the Lusikisiki water supply scheme – Vegetation report. Submitted to A. Bok & Associates July 1999.  
 Environmental impact assessment of proposed weir and chalets on the Sanddrif property for the Dolphin trail, Tsitsikamma. Submitted to A. Bok & Associates October 1999.

#### CURRENT AND RECENT PROJECTS

- Project Manage the long-term (6 yr) marine monitoring phase with regards the dredge works required in Luanda bay, Angola. This includes the monitoring of water quality and biological changes due to dredging in the bay and offshore disposal (On-going)
- EIA project manager of the Rustenburg Eastern Bypass (Freeway) for SMV Civil Engineers (On-going)
- Various wetland studies for AURECON and SSI – DHV (On-going)
- Project manager and specialist for Ambatovy Nickel Laterite, marine impact study regards proposed slimes dam outfall and Tamatave Port upgrade (Madagascar), Dynatec Canada (Completed)
- Project manager of the comprehensive Environmental, Social Impact Assessment (ESIA) for the Toliara Sands Project (Exxaro) in South West Madagascar. Specialist input has include the management of the coastal dune system, mangroves and the coral reef and lagoon (Completed)
- Project Manager of the alternative dredge spoil disposal site for Durban Port, South Africa. This included marine surveys of the sea floor, wrecks, fish, fisheries and the possible impact on tourism (Completed).
- Project Manager – Addax Biofeuls ESHIA in Sierra Leone (Completed).

#### COMPLETED VEGETATION / WETLAND STUDIES, SURVEYS/OPINIONS

- Riparian assessment for the Sedibeng District Municipality as part of the Sedibeng Open Space System planning.
- Completed portions of the SOE Reports for the entire local and district Municipalities on the West Rand, Gauteng.
- Faunal and floral assessment of the Sibaya Coastaal Precinct, KwaZulu-Natal as part of the EMF (2005).
- Ecological review of East London IDZ SEA as part of the Automotive Supplier Park Environmental Management Framework – specialist input with regard land based impacts on the adjacent coastal environment.
- Surface Water and Faunal assessment including sampling and sensitivity mapping utilising GIS for proposed platinum mine north of Pilanesberg National Park, Roodepan (2003) and Boynton (2004) projects (Client: Anglo Platinum).

- Surface water and aquatic assessment and sensitivity mapping utilising GIS for various proposed developments for Mogale City Local Municipality.
- Biomonitoring for an EMPR for the proposed expansion of Hlobane Colliery, Vryheid,
- Several hydrological assessments for various types of development proposals within Gauteng province.
- Environmental feasibility studies for developments by Gauteng Provincial Government (Joe Slovo Village) and Anglo Gold (Vaal River and West Wits).
- Survey of endorheic pans and wetlands within the Optimum Colliery Lease area.
- Floral assessment for Ticor SA Fairbreeze Ext C lease area as part of the EAMPR (2004).
- Wetland Assessment for Ticor SA Fairbreeze Ext C lease area as part of the EAMPR, including the Siyayi Estuary (2005).
- Various ecological/environmental scans within Gauteng, Mpumalanga, North West Province and Kwazulu-Natal.
- Riparian vegetation assessment for the proposed N2 Wild Coast Toll Road.