

Appendix E Full CV of specialist, qualifications and professional registration

Greer L. Hawley-McMaster
Curriculum Vitae



CONTACT DETAILS

Name of Company	Big Thorn Environmental CC
Designation	Main member
Profession	Environmental Consultant
Years' experience	17 (Seventeen) Years
E-mail	greer@btbio.co.za
Cell number	+27 74 888 7988
Nationality	South African
Professional Body	SACNASP: South African Council for Natural Scientific Profession Registration No. 007524
Key areas of expertise	<ul style="list-style-type: none">➤ Environmental Management (Environmental Management Frameworks, Environmental Management Systems, Strategic Environmental Assessment)➤ Biodiversity/Conservation Management Planning and monitoring;➤ Biodiversity/Ecological Surveys and impact assessment;➤ Fungal identification and ecology;➤ Environmental and Biodiversity Planning; and➤ Environmental Impact Assessment (Aquaculture, renewable energy, waste water treatment, agriculture)

PROFILE

Dr Greer Hawley completed her BSc degree in Botany and Zoology and a BSc Honours in Botany from the University of Cape Town in 1998 and 1999, respectively. She completed her PhD (Microbiology) at Rhodes University in 2007.

Greer's core academic focus has been in the field of taxonomy both in the plant and fungal kingdom although her research experience is diverse, ranging from fresh water and marine algae, estuarine diatoms, plant species classification and fungal species identification and ecology.

Greer was employed at Coastal and Environmental Services (CES) for over 13 years where she was involved with, and managed, a wide range of projects ranging from:

- Environmental impact assessments in the biofuel, aquaculture, waste, mining and renewable energy sectors;
- Biodiversity impact assessments and biodiversity management projects in South Africa, Sierra Leone, Mozambique, Eswatini and Malawi;
- Environmental Management Frameworks, Environmental Management Systems, Strategic Environmental Assessments;
- State of Environment and State of Coast Reporting;
- Biodiversity Sector and Bioregional Planning for Provinces and Metropolitan Municipalities;
- Catchment-based mapping and management planning for climate change adaptation (Malawi);
- Alien invasive Eradication and Monitoring Plans (Buffalo City Metro); and
- Feasibility studies for the tourism and aquaculture sectors.

Since February 2021, Greer has been self-employed, shifting her focus to specialist biodiversity assessment and planning. In addition, Greer is a Research Associate of Rhodes University where she supervises Hons, Masters and PhD students. Greer has experience in co-ordinating and managing multi-faceted projects with large teams, meeting deadlines and ensuring the production of high-quality deliverables.



EMPLOYMENT EXPERIENCE	<ul style="list-style-type: none"> ➤ 2002- 2007: Undergraduate Tutor: Botany and Microbiology, Rhodes University ➤ 2006- 2007: Laboratory researcher: Abalone Probiotic isolation and testing, Rhodes University ➤ 2007: Laboratory assistant and product quality control: Mycoroot (Pty) Ltd, Grahamstown ➤ September 2007- January 2021: Environmental Consultant - Coastal & Environmental Services ➤ February 2021 – present: Consultant – Big Thorn Environmental CC (self-employed) ➤ February 2022 – present: Part time lecturer Rhodes University (Microbiology), Research Associated. <p><u>POST GRADUATE STUDENT SUPERVISION</u></p> <ul style="list-style-type: none"> ➤ 2005 – 2007: 3 Honours students in the Mycology Unit, Rhodes University ➤ 2006: MSc student in the Mycology Unit, Rhodes University. ➤ 2016-2018: Co-supervisor of a PhD student in the Mycology Unit, Rhodes University ➤ 2020: Co-supervisor of 1x Honours and 1 Masters student in the Mycology Unit, Rhodes University
ACADEMIC QUALIFICATIONS	<ul style="list-style-type: none"> ➤ PhD Microbiology Rhodes University 2008 ➤ BSc Hons Botany University of Cape Town 1999 ➤ BSc Natural Science (Botany and Zoology) University of Cape Town 1998
COURSES	<ul style="list-style-type: none"> ➤ <i>Rhodes University-Coastal & Environmental Services: Environmental Impact Assessment Course 2008</i> ➤ <i>Training in Greenhouse Gas Accounting for Forest Inventories Greenhouse Gas Management Institute 2009</i>
SELECTED EXAMPLES OF CONSULTING EXPERIENCE	<p><u>ENVIRONMENTAL MANAGEMENT EXPERIENCE</u></p> <p><u>Biodiversity / Environmental Planning</u></p> <ul style="list-style-type: none"> ➤ Essential Life Support Action Areas (ELSAA) South Africa (2022). This project was a project initiated and managed by UNDP South African in collaboration with International and National partners. I assisted the process by providing support in terms of stakeholder engagement and content development and review. I was responsible for: <ul style="list-style-type: none"> • Review and Finalising the Project Concept Document • Assisting the UNDP South Africa to coordinate Nation-wide stakeholder workshops • Generating Stakeholder Consultation Reports after each consultation (x 2 reports) • Creating content for blogs and the script for the Mapping People for Nature video • Assisting with certificates of attendance • Co-ordinating focus group meetings with spatial specialists • Development of the Application Discussion Document • Review and input into the Science Brief and Webtool User Guide ➤ City of Ekurhuleni revision of the Bioregional Plan (September 2019- June 2021). I was responsible for a number of roles on this project, including the following:



- Project manager
- Biodiversity data collection and analysis
- Part of planning team
- One of the report writing authors
- Client and stakeholder liaison

➤ Eastern Cape Biodiversity Conservation Plan review and Biodiversity Strategy and Action Plan (2016-2019). I was responsible for a number of roles on this project, including the following:

- Project manager
- Biodiversity data collection and analysis
- Part of planning team
- One of the report writing authors
- Client and stakeholder liaison

➤ King Cetshwayo District Municipality Environmental Management Framework, KwaZulu-Natal Province (2017-2019).

Activities:

- Field survey of district municipality through aerial surveying and field work reporting of whole district municipality (incorporating 5 local municipalities);
- Identification of key environmental issues;
- Selection of priority environmental issues;
- Development of Environmental Management Action Plans directly aimed at mitigating priority issues;
- Collection and analysis of data;
- Reporting on selected indicators; and
- Collection and analysis of spatial data.

Responsibilities:

- Project manager;
- Project lead;
- Budget management;
- Report authors;
- Team delegation and management; and
- Client liaison.

State of Environment (SoER), Environmental Management Plans(EMP)/Systems (EMS) and Climate change planning:

- OR Tambo District Municipality SoER and EMP, Eastern Cape Province, South Africa (2009-2010). Accepted by council.
- Joe Gqabi District Municipality SoER and EMS, Eastern Cape Province, South Africa. (2011)
- Mnquma Local Municipality SoER and EMP, Eastern Cape Province, South Africa (2012)
- Western Cape Province, State of the Coast Report, South Africa (2018)
- Catchment-based planning for climate change resilience in three catchments in Malawi (2020)

Environmental impact Assessments (EIA) for:

- Buffalo City Municipality R72 national road re-alignment: Sleeper site
- Wild Coast Abalone expansion and processing plant



- Qolora Aquaculture Development Zone
- Mpekweni Beach Resort Waste Water Treatment Works
- Summerpride Residential Village (2009)
- Toboshane Residential Estate
- Ngcobo Waste Water Treatment Works
- Port St Johns Waste Water Treatment Works
- All Saints Hospital Waste Water Treatment Works
- Thomas River Wind Energy facility
- Chaba Energy facility
- Jamestown Waste Water Treatment Works
- Ntabankulu Waste Water Treatment Works
- Qamata - No-gate Waste Water Treatment Works
- St Patricks Hospital Waste Water Treatment Works
- Olivewood Golf Estate
- Peregrine Dunes Golf Estate

Additional Specialist studies

- Sensitive Ecology Assessment: Mncwasa Water Scheme (2009)
- Vegetation Rehabilitation Plan: Peregrine Dunes Golf Estate (2009)
- Ecological Impact Assessment: Peregrine Dunes Golf Estate (2009)
- Vegetation Assessment: Atterbury Development (2008)
- Wild Coast Forest Survey: (current) DWAF/EC Parks initiative (2009-2010)
- Biodiversity and Ecological Impact Assessment, Sierra Leone, Addax Biofuels (2009-2010)
- Land use Impact Assessment, Sierra Leone, Addax Biofuels (2009-2010)
- Thyspunt – Melkhout Eskom Power line, Ecological Impact Assessment (2009)
- Ecological Impact Assessment: Chaba WEF (2010)
- Ecological Impact Assessment: Thomas River WEF (2010)
- Terrestrial Ecology Impact Assessment: Qolora Aquaculture Zone (2011)
- Toboshane Valley Estate: Ecological Impact Assessment (2009)
- Toboshane Valley Estate: Conservation Management Plan (2009)
- Biodiversity and Impact Assessment: Niassa Green Resource, Mozambique (2011)
- Biodiversity Impact Assessment: Balama Graphite Mine (2012)
- Biodiversity Impact Assessment: Tete Iron Ore Mine (2012)
- Ecological Impact Assessment: Qunu Renewable Energy Facility (2012)
- Ecological Impact Assessment: Ncora Renewable Energy Facility (2012)
- Ecological Impact Assessment: Ngqamakwe Renewable Energy Facility (2012)
- Ecological Impact Assessment: Chaba Wind Energy Facility (2012)
- Ecological Impact Assessment: Qumbu Wind Energy Facility (2013)
- Ecological Impact Assessment: Great Kei Wind Energy Facility (2017)
- Biodiversity Impact Assessment: Eswatini Powerline (2020)
- Biodiversity Baseline Survey and development of Biodiversity Offset Management Plans for 20,000 ha in the former Transkei (2021)
- Revision of the North West Province vegetation map (current)

Alien Invasive Monitoring, Control and Eradication Plans

- ACSA East London Alien Invasive Plant assessment and eradication programme (2009 and 2016)
- Rehabilitation and Restoration (including alien plant removal) Plan: Peregrine Dunes Golf Estate (2010)
- Alien Invasive Plant Monitoring and Control Plan for Wind Energy Facilities (2012-2018)



RHODES UNIVERSITY

THIS IS TO CERTIFY THAT

GREER LEIGH HAWLEY

WAS THIS DAY AT A CONGREGATION OF THE UNIVERSITY
ADMITTED TO THE DEGREE OF

DOCTOR OF PHILOSOPHY
IN
MICROBIOLOGY

GRAHAMSTOWN
28 MARCH 2008

VICE CHANCELLOR

DEAN OF THE FACULTY OF SCIENCE

REGISTRAR