



CURRICULUM VITAE and COMPANY PROFILE

Name:	ANTOINETTE EYSSELL (Pr Sci Nat)
Name of Company:	Dimela Eco Consulting
Position:	Sole proprietor- Vegetation specialist
Nationality:	South African
Languages:	Afrikaans (mother tongue), English
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Professional Membership:	South African Council of Natural Scientific Professionals Registered as Professional Natural Scientist (Ecology) Registration number 400019/11

SERVICES OFFERED

Dimela Eco Consulting is an independent consultancy which offers a range of services pertaining to the integration of vegetation, vegetation ecology, protected plants and other ecological concerns into the development and land use process. In support of sustainable development, green infrastructure and socially responsible progress, Dimela Eco Consulting provides clients with quality, unbiased and reliable reports to help minimise the impact on the receiving natural environment and to inform effective decision making by providing the following services:

- Vegetation assessments;
- Vegetation overviews or scans;
- Strategic ecological assessments;
- Mitigation measures to reduce impacts on the natural environment;
- Ecological management plans (including alien vegetation management);
- Specialist input: ecological conditional requirements for Green Star rating;
- Ground-truthing of vegetation related data; and
- Review of ecological reports.

Prior to working in the environmental consultancy field, I gain extensive experience in the field of environmental education while employed at the South African National Biodiversity Institute (SANBI). In addition, I currently write the ecology feature for the bimonthly Supernova Kids Magazine and welcome opportunities to stay involved in environmental education.

EDUCATIONAL QUALIFICATIONS

Tertiary

- M.Sc Environmental Science, University of Pretoria (2010)
Dissertation: *Land cover change and its effect on future land uses*
- B. Sc (Hons) Horticulture, University of Pretoria (1999-2000)
Dissertation: *Horticultural uses of the Barleria species*
- B. Sc (Agriculture) Horticulture, University of Pretoria (1993-1996)

High School

- Matriculated at Middelburg High School (Mpumalanga), 1992
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OTHER RELEVANT QUALIFICATIONS / SKILLS

Courses:

- ISO 14000 (Advanced EMS Auditors Course), 2007;
- Introduction into Forestry Stewardship Council (FSC), 2007;
- Mentorship Training (SAMDI), 2007;
- S.E.E.D Permaculture training course, 2006;
- Project Management Course (Wildlife and Environment Society of South Africa (WESSA) Umgeni Valley), 2005;
- Grass and plant identification courses, 2004;
- Tsoga 1 (course in speaking Sepedi), 2004; and
- Certificate in Seed Science (University of Pretoria), 1999

Presentations:

- Environmental Education, BGCI Conference, Oxford England – September 2006
 - Environmental Education in a changing world, World Environmental Education Conference (WEEC), Durban - July 2007
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EMPLOYMENT RECORD and EXPERIENCE

I have extensive experience in ecological impact assessments. The projects that I have been involved in as an ecologist include ecological assessments, vegetation assessments and vegetation verifications, as well as strategic assessments aimed at gaining an overview of potential sensitivities over larger areas (e.g. Local or District Municipalities). While the majority of projects are aimed at determining ecological sensitivities to inform development layout or mining activities, some projects focus on conservation, rehabilitation or strategic planning.

Typical assessments include:

- Ecological Assessments;
- Vegetation Assessments;
- Overviews or Scans;
- Strategic Ecological Assessments; and
- Environmental/Ecological Management Plans.

*Work Experience***1. Vegetation Specialist and Sole Proprietor: Dimela Eco Consulting
November 2011-present**

- Vegetation assessments;
- Vegetation overviews or scans;
- Strategic ecological assessments;
- Ecological management plans (including alien vegetation management);
- Specialist input: ecological conditional requirements for Green Star rating;
- Ground-truthing of vegetation related data;
- Identification of taxa, data analysis and reporting;
- Review of ecological reports;
- Management activities associated with a consultancy, including coordination of different specialists, tender and proposal writing; and
- Networking with numerous specialist in different fields to maintain professional relations, experience and integration of various fields and information

Recent Projects

- Vegetation Assessment for the proposed PV plant, Schmidtsdrift Northern Cape
- Management plan for wetland and dam, Hazeldean Office Park Gauteng
- Vegetation assessment for the proposed 88KV Powerline, Meyerton, Gauteng
- Preliminary vegetation assessment, Sebokeng and Rietspruit WWTW, Gauteng

**2. Vegetation Specialist: Strategic Environmental Focus (SEF)
September 2007 – November 2011**

- Compile proposals and tenders for terrestrial specialist studies.
- Study authority correspondence to gain an understanding of minimum requirements.
- Gather background information, including geographical information, for projects.
- Adhere to applicable legislation and policies regarding biodiversity assessment.
- Conduct site visits to project locations and collect data.
- Identification of taxa.
- Data analysis and reporting of results.
- Project management.
- Financial and time management (timesheets and invoices).

Some Projects:

- Ecological Management Plan for the Steyn City Development, Midrand
- Ecological report to inform the Madibeng Environmental Management Framework (North West)
- Swalala Precinct Plan: Ecological Investigation (Mpumalanga)
- Alien and Invasive Vegetation Identification and Removal Methodology for various mines
- Biodiversity Assessment for Koornfontein mine, Mpumalanga
- Strategic Environmental Assessment for Eskom Electricity Master Plans
- Ecological Status Quo Report and Mitigation for a rectification in terms of Section 24G and 24F of NEMA (Gauteng)

Work Experience (continued)

**3. Snr Environmental Education Officer: Environmental Education Centre, Pretoria National Botanical Garden, South African National Biodiversity Institute
August 2003 – September 2007**

- Plan, Implement and facilitate the Outreach Greening Programme in Tshwane.
- Raise awareness on South African biodiversity in previously disadvantaged communities.
- Develop resources and relevant teaching and learning support materials for the Outreach Greening Programme and for the mentorship of student-interns on the programme.
- Network with authorities, partners, sponsors and funders of the programme.
- Train, assist, manage and support student-interns.
- Manage the Outreach Greening Programme in an effective and accountable manner so as to ensure the sustainability of the various projects.
- Carry out administrative and finance related tasks in support of the programme.
- Manage the Tshwane Greening The Nation Project (SANBI).
- National and international presentations on the value and purpose of the SANBI Outreach Greening programme(s).

**4. Horticultural Trainer : 17 Shaft Training Centre, Johannesburg
June-July 2003**

- Facilitation of practical and theoretical training sessions.
- Development of teaching resources.
- Evaluation and motivation of students.
- Monitoring of the College's hydroponics system for agricultural purposes.
- Assist in structuring the learning programme as the college's horticultural section was then still in its infant stages.

**5. Horticulturist: Pretoria National Botanical Garden (NBI)
May 1997-March 2002**

- Management of the propagation nursery that supplied plants to the garden and managed the retail nursery as well as the scientific plant collections.
- Garden design, development and maintenance.
- Management, training and assessment of the nursery and garden staff.
- General in house administration e.g. Quarterly reports, finance control.
- Propagation, planting, maintenance and study of indigenous plants.

REFERENCES

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| 1. Antoinette Bootsma | Limosella Wetland Consulting | 083 454 5454 |
| 2. Carene Kruger | Project Manager: Strategic Environmental Focus | 012-349 1307 |