

Curriculum Vitae of Philippa Kirsten (Pippa) Schlegel

***PHD Candidate
(Rhodes University)
MSc Geography
(Rhodes University)***



Current location: Bathurst, Eastern Cape, South Africa
Cell phone: +27 73 816 6870



E-mail: pippaschlegel@gmail.com
Linked-in: Pippa Schlegel

*Passions: wetlands, ecology, aquatic
health, environment, biodiversity, water
resources, sustainability, conservation*




EDUCATION

Period	2019 (Current)
Qualification	Doctorate of Philosophy, Geography
Focus of study	Wetland processes
Institution	Rhodes University, Grahamstown, South Africa
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Period	2015 - 2017
Qualification	Master of Science
Focus of study	Wetland Restoration and Management
Title of thesis	Spatial variation in modelled hydrodynamic characteristics associated with valley confinement in the Krom River wetland: implications for initiation of erosional gullies
Institution	Rhodes University, Grahamstown, South Africa
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Period	2014
Qualification	Bachelor of Arts Honours
Focus of study	Environmental Water Management
Title of thesis	Avulsion Mechanisms in the Sand River, St Francis Bay, Eastern Cape, South Africa
Modules	Wetland Ecology and Management, Integrated Catchment Management, Geomorphology and Environmental Change; and Environmental Water Quality
Institution	Rhodes University, Grahamstown, South Africa
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Period	2011-2013, successfully completed Bachelor of Arts
Period	2010, successfully completed the Arts Foundation Program
Qualification	BA- Double Major in Geography and Environmental Science; and International Studies
Institution	Monash University, Johannesburg, South Africa



SKILLS

SASSv5 (South African Scoring System version 5)	I attended a SASSv5 course held by GroundTruth in February 2016. Accredited with South African Scoring System version 5 (SASSv5) on 25 August 2016
Wetland Plants	In February 2019 I attended an Aquatic and Wetland Plant Identification course held by Cripsis Environment. I have used this knowledge in wetland monitoring studies
Veld management	Competent in veld management and grassland monitoring. In February 2019 I attended a Veld Management course and obtained 97% on the following unit standard: Implement a Natural Resource Management Plan (US ID: 116303, NQF Level: 4, Credits 3). This certificate of competence was issued under the jurisdiction of AgriSETA. I have used this knowledge in biophysical monitoring
Catchment systems & biophysical monitoring	Working on the Tsitsa Project I have gained experience in catchment management as well as developing and implementing a biophysical monitoring plan for the Upper Tsitsa River Catchment
Leadership skills	Frequently group leader, being a tutor and demonstrator, and organising field excursions. Having the opportunity to volunteer, work and intern allowed me to have a pro-active approach to problem solving and tasks that were required in a multitude of different situations
Hydrodynamic Modelling Software	Through my Master's I have gained experience with using HEC-RAS (Hydrologic Engineering Centre-River Analysis System) a one-dimensional model and Caesar-LISFLOOD a two-dimensional hydrodynamic modelling software
Geographical Information Systems (GIS)	I have gained proficiency in ArcGIS through both University training and within the work sector
Equipment proficiency	I have gained proficient skills in various surveying equipment including a Geomax Zenith 10/20 Differential GPS and a Topcon Total Station. Familiarity with wetland delineation, wetland eco-services and health, flow monitoring, level loggers, turbidity meters, water quality, substrate quantification techniques and SASSv5
Field based research and experience	I have experience in organising and leading extended field excursions into remote areas in both my own research as well as that of fellow students and colleagues
Language	Home language is English and understand Afrikaans
Communication and people skills	Proficient with written and verbal communication skills, both within formal (scientific writing and verbal presentations) and informal settings. I enjoy learning from people as well as conveying my own knowledge and beliefs. Compassionate, patient and interested when dealing with people from a wide array of backgrounds
Computer literacy	Proficient in MSOffice (MSWord, Excel, PowerPoint, Publisher, E-mail) – Advanced Level
Teamwork and organisational skills	My teamwork skills have been essential when working in a university setting, in jobs or volunteering. I also have experience of team working from preparing and giving group presentations at University and within group field based research. Being a hiking coordinator as well as tutoring other students has developed my organisational skills.



WORK EXPERIENCE

2017- Current	Environmental researcher	Environmental researcher and consultant for several projects in the field of environmental science and geography. One of my main roles is for the Tsitsa Project, formerly NLEIP (DEA/NRM programme) in which I fall part of a team that is setting up a GIS database as well as developing and implementing a biophysical monitoring plan for Quaternary Catchment T35 A-E. I am also currently assisting the GEF 5 SLM project (UNDP project) with improving landscape degradation and livelihoods in the Eastern Cape, South Africa and Sandy van der Waal Consulting with a Basic Assessment for a residential construction.
2017- Present	Independent consultant	Independent researcher and consultant for various projects in the field of environmental science and geography with a focus on geomorphological studies, catchment systems and GIS. Have also aided in a Wetland Assessment for Scherman Environmental: Aquatic & Environmental Management Consulting
2014-2016	Graduate Assistant	I gained valuable skills in leadership, organising and communicating as a tutor and demonstrator in the Geography Department at Rhodes University. It was an opportunity to become more involved in the department.
2014-2016	Research assistant	I have gained experience and expertise in equipment and logistics through helping my fellow students and lecturers with their research in a diverse range of environments and interests. In particular interest: <ul style="list-style-type: none"> •Assisting Nicholas Huchzermeyer with his Master's research focusing on the effects of sediment on aquatic health using macro-invertebrates •Assisting with long term monitoring of the Wilgerbos River, the farm dam and erosional gullies on the Ganora Farm, Karoo for Prof. K. Rowntree (2016) •Assisting with field trips associated with projects headed by Prof. W.N. Ellery and Dr. S. Pulley focusing on gullies as a mechanism for wetland formations in the Karoo and Krom River (2016) •Field assistant for Professor W.N. Ellery and Laura Bannatyne in the wetland delineation of a wetland near the Baywest Mall development, Port Elizabeth (2014)
17th July- 20th December 2013	DIGBY WELLS ENVIRONMENTAL GIS Intern	As an intern in a well-run and acclaimed Environmental company allowed me to hone my GIS skills, go on field trips and gain insight into consulting work within a company. I learnt to be punctual, improve my communication and leadership skills.
9th -21st January 2012	NKOMATI MINE Working Student	Working in a mining situation allowed me to gain valuable insights into working in the Environmental and health sector of a mine
November, December, January 2011- 12	FREEME (Animal Rehabilitation Centre) Volunteer	Working at FREEME allowed me to follow my passion with animals and their rehabilitation. I met many interesting people all with a passion for animals and the environment
August, September and October 2010	SARDA (South African Riding for the Disabled Association) Volunteer	Volunteering at SARDA challenged me to be compassionate and patient with dealing with disabled children and horses (another passion)

