



Dr. Mathys Vosloo

Professional Registrations:

- (SACNASP) South African Council for Natural Scientific Professions
- (IAIAsa) International Association for Impact Assessment – South Africa

Occupation:

- Senior Environmental Scientist

Specialisation:

- Environmental and Social Impact Assessments
- Strategic Environmental Assessments
- Estuarine Ecological Assessments
- Project Management and GIS

Education:

- Ph.D., Zoology, 2012
Nelson Mandela Metropolitan University
- M.Sc., Zoology, 2003
University of Port Elizabeth
- B.Sc. Hons, Zoology, 2001
University of Port Elizabeth
- B.Sc., Zoology and Botany, 2000
University of PE

KEY EXPERIENCE

Dr. Mathys Vosloo is a well-qualified and technically proficient environmental and natural scientist with more than 12 years environmental management experience. His experience include Environmental Impact Assessments (EIAs) and the development of Environmental Management Programmes during environmental assessments of construction projects, environmental compliance monitoring and reporting, and Environmental Control Officer (ECO) services for construction projects. Recent experience includes project management and execution of large waste related projects, such as the application for development of Ash Disposal Facilities, and large linear projects such as the management EIA process for the implementation of extensive power lines for renewable projects. Mathys also has substantial experience in Geographical Information Systems (GIS), creating and analysing digital terrain models, runoff and stream flow analysis, stormwater design and map-making for projects in Africa. Further experience include the development and completion of State Of the Environment Reporting (SOER), Strategic Environmental Assessments (SEA) and feasibility studies. Mathys' experience in natural science include aquatic ecological assessments, project management and sample collection in several west, south and east coast estuaries, including ecosystem analysis of estuaries in the Eastern Cape and former Transkei area.

PROJECT EXPERIENCE

2017 PPP and WOP for Kusile PS 60year ADF R 2.8m
Public participation process for Wetland Offset Strategy and implementation of Wetland Offset Plan for the Kusile Power Station 60year Ash Disposal Facility.

2017 BA for KEMJV slimes pipeline R 230 000
Basic Assessment for construction of slimes pipeline for Kimberley Ekapa Mine Joint Venture, Northern Cape.

2016 - 2017 Asbestos Mine Rehabilitation Programme R 1.3 million
Undertaking environmental site investigations and project scoping for the rehabilitation of 10 derelict and abandoned asbestos mines in Limpopo and Mpumalanga Provinces.

PROJECT EXPERIENCE (continued)

2016	Walkdown & WULA for Kuruman Powerline upgrade	R 355 000
	Specialist walkdown of approved 132 kV powerline servitude between Kuruman and Kathu, Northern Cape.	
2016 - 2017	EA Amendment for Kuruman Powerline Upgrade	R 60 000
	EA Amendment application i.t.o. EIA 2014 regulations for amendment to the approved 132 kV powerline corridor between Hotazel, Kuruman and Kathu, Northern Cape.	
2016	Breede-Gourits CMS: Estuarine component	R 81 000
	Estuary Situation Assessment to inform the Breede-Gourits Catchment Management Strategy for Breede-Gourits Water Management Area.	
2016 - 2017	BA for Tshepisoong Extension 4 development	R 198 000
	Basic Assessment for Mixed Business and Residential Development within Portion 64 of Farm Vlakfontein 238 IQ, Tshepisoong Extension 4, Johannesburg West, Gauteng Province.	
2016 - 2017	BA for Patensie Housing Development	R 283 000
	Basic Assessment for the Patensie Housing Development, Eastern Cape.	
2016	Specialist Walkdown for Kuruman Powerline upgrade	R 355 000
	Specialist walkdown of approved 132 kV powerline servitude between Hotazel and Kuruman, Northern Cape.	
2016	Solar Park EA Amendment	R 248 000
	Environmental Authorisation (EA) Amendment application i.t.o. EIA 2014 regulations for amendments to the Solar Park to Nieuwehoop 400 kV power line corridor near Uppington, Northern Cape.	
2015 - 2016	Solar Park WULA	R 547 000
	WULA for Solar Park to Nieuwehoop 400 kV powerline development near Uppington, Northern Cape.	
2015 - 2016	BA Clanwilliam Weirs	R 409 000
	Proposed Re-alignment of the Bulshoek Dam and Doring River Weirs near Clanwilliam, Western Cape.	
2015 - 2016	BA Klipspruit Valley	R 244 000
	BA and WULA for the Klipspruit Valley Road Upgrade.	
2014 - 2016	EIA Koffiefontein Slimes Dam	R1 million
	EIA for the new Koffiefontein Slimes Dam Development, Kimberley.	
2014 - 2015	BA and WULA Kuruman Upgrade	R1.3 million
	BA and WULA for 132kV power line upgrade from Hotazel to Kuruman and Kathu, Northern Cape.	
2013 - 2016	EIA Kendal 30 year Ash Disposal Facility	R6 million
	EIA, WMLA and WULA for a new Ash Disposal Facility for Kendal Power Station near Ogies in Mpumalanga.	
2013 - 2014	Design of 3 canals	R 700 000
	3 x BAs for the proposed prevention of water ingress into previously mined out areas in the Witwatersrand Mining Basin (canalisation of 3 streams), Gauteng.	
2013 - 2014	BA for Vaalbank Switching Station	R 380 000
	Basic Assessment for Vaalbank Switching Station and 2 x 88 kV Powerlines, Free State.	

PROJECT EXPERIENCE (continued)

2012 - 2015	EIA Solar Park	R5 million
EIA, EMP & WULA for the Solar Park 132/400 kV Sub Station and Associated lines, Northern Cape.		
2012 - 2015	Kusile 60 year Ash Disposal Facility	R11 million
EIA, WML and WULA for the 60 year Ash Disposal Project near Balmoral in Mpumalanga.		
2012 - 2015	WULA Wilge Pipeline	R 900 000
WULA for the sewage and water pipeline from Wilge Township to Phola, Mpumalanga.		
2012	BA Kouga Dam Wall	R 250 000
The rehabilitation of the Kouga Dam wall and associated mining activities.		
2012	EMP City of Cape Town Stormwater	R1.5 million
Maintenance and management interventions undertaken by the City of Cape Town in its surface stormwater systems.		
2012	BA Melkhout Powerlines	R 100 000
The installation of 132kV transmission lines from Melkhout to Dieprivier, including the construction of a new substation at Dieprivier, Cacadu District.		
2012	BA Diepriver Powerlines	R 100 000
The installation of 132kV transmission lines from Dieprivier to Kareedouw, including the extension of the existing substation at Kareedouw, Cacadu District.		
2012	BA Patensie Powerlines	R 100 000
The installation of 132kV transmission lines from Melkhout to Patensie, including the construction of a new substation at Patensie, Cacadu District.		
2012	Mmthatha River System	
Catchment delineation and stream calculation for the Mnthatha River System, GIBB Durban.		
2011 - 2012	PRASA Passenger rail and shunting yard proposed sites	
Environmental Screening for the PRASA passenger rail and shunting yard proposed sites in Cape Town, Gauteng and Durban.		
2010 - 2012	ATTP Flow Limiters installation	
NMBM Assistance to the poor (ATTP) and schools leakages repairs and flow limiters installation.		
2010 - 2012	ATTP Database Management	R4 million
NMBM Assistance to the poor (ATTP) and schools leakages repairs and flow limiters installation database management.		
2010 - 2011	Nelson Mandela Bay Provincial Department of Housing	
Nelson Mandela Bay and Cradock low cost housing rectification audits. Management of incoming and outgoing GIS data and GIS mapping, Provincial Department of Housing.		
2010 - 2011	ECO Bulk Stormwater Infrastructure Motherwell	
Installation of bulk storm water infrastructure in Motherwell NU29 and 30 and Implementation of an artificial wetland at the Motherwell stormwater canal outlet structure.		

PROJECT EXPERIENCE (continued)

2010	BA McAdam Street Upgrade	R 60 000
	The extension of McAdam Street from Worraker to Mangold Street, NMBM.	
2009 - 2011	EIA Motherwell Housing Development	R 270 000
	Motherwell NU 31 housing development, NMBM.	
2009 - 2011	Coega Integrated Stormwater Management Plan	
	Coega IDZ Eastern Sector Integrated Stormwater Management Plan, Coega Development Corporation.	
2009 - 2011	EIA KougaWind Farm	R 350 000
	Kouga 300 MW wind farm, Kouga Local Municipality.	
2009 - 2010	ECO Swartkops River Artificial Wetland	
	Swartkops River, NMBM.	
2009 - 2010	ECO Humewood Road Upgrade	
	Realignment of the S-bend section of Humewood Road in Humewood.	
2009 - 2010	ECO Paapenkuils Sewer Augmentation	
	Paapenkuils Main Sewer Augmentation in Port Elizabeth NMBM.	
2009 - 2010	SOER State of the Environment Report	R 350 000
	NMBM State of the Environment Report.	
2009 - 2010	ISWMP Coega IDZ	R 350 000
	Coega IDZ Eastern Sector Integrated Stormwater Management Plan, CDC.	
2009 - 2010	SOER Flood Plain and Spatial Analysis	
	Nelson Mandela Metropolitan Municipality SOER flood plain and spatial analysis, NMBM.	
2009 - 2010	EIA – Red Cap Developments	
	Kouga Local Municipality wind farm development EIA, RedCap Developments.	
2008 - 2009	Port Harcourt City Open Space System Plan	
	Port Harcourt City Open Space System Plan, Government of Nigeria.	
2008 - 2009	ECO Kwazakhele stormwater infrastructure	
	Construction of stormwater detention ponds and upgrading of stormwater infrastructure in Kwazakhele, Phase 3.	
2008	ECO Sherwood Road Upgrade	
	Upgrading of Devon and Fairley Roads in Port Elizabeth, NMBM.	
2008	OR Tambo District Municipality water conservation and demand management	
	OR Tambo District Municipality water conservation and demand management.	
2008	SOER Eden District Municipality	
	Eden District Municipality SOER, Eden District Municipality.	
2008	Kouga Local Municipality catchment and flood attenuation analysis	
	Jeffreys Bay Marina Martinique catchment and flood attenuation analysis, Kouga Local Municipality.	
2008	EIA Bethelsdorp Housing Development	R 230 000
	Bethelsdorp Phase 3 social housing development, NMBM.	

PROJECT EXPERIENCE (continued)

2008	BA Beacon Maritime Navigational Structure Upgrade	R 60 000
	Beacon maritime navigational structure upgrading, NMBM.	
2008	BA Moffet Dam Rehabilitation	R 60 000
	Moffet Dam breach remedial works, Kouga Local Municipality.	
2008	BA Pollok Beach light mast installation	R 50 000
	Pollok Beach light mast installation, NMBM.	
2008	BA Humewood Road Re-alignment	R 60 000
	Humewood Road re-alignment along the S-bend section, NMBM.	
2008	SOER Hessequa Local Municipality	R 200 000
	Hessequa Local Municipality State of the Environment Summary Report.	
2008	SEA Coastline redevelopment	R 250 000
	North End Coastline redevelopment SEA, NMBM.	
2008	Mzimkhulu River catchment and flood attenuation analysis	
	Mzimkhulu River catchment and flood attenuation analysis, Umzimkhulu Municipality.	
2008	PE Paapenkuils River catchment and flood attenuation analysis	
	Port Elizabeth Paapenkuils River catchment and flood attenuation analysis, NMBM.	
2007 - 2008	ECO Mavuso Road Upgrade	
	Construction of Mavuso Road in Kwazakhele, NMBM.	
2007	BA Jagersfontein Chicken Farm	R 40 000
	Jagersfontein farm 432 commercial production of chicken and operation of an abattoir, Kouga Local Municipality.	
2007	BA Zwide Roads Upgrade	R 55 000
	Tarring of roads in Zwide, NMBM.	
2007	BA McAdam Street Construction	R 40 000
	Construction and extension of McAdam Street, NMBM.	
2007	BA Tygerbay Reconstruction	R 60 000
	Repair and reconstruction of water retaining structures at Tyger Bay EIA NMBM.	
2007	BA Lorraine Infill development	R 40 000
	Erf 306 Lorraine Infill development, NMBM.	
2007	BA Sherwood Roads Upgrade	R 40 000
	Tarring of roads in Sherwood, NMBM.	
2007	BA Zwide Roads Upgrade	R 40 000
	Tarring of Ntsele, Mkutuka, Nanto and Vabaza Streets in Zwide, NMBM.	
2007	BA Pollok Beach Parking Lot	R 50 000
	Pollok Beach, Summerstrand, parking lot relocation, NMBM.	
2007	BA Uitenhage Roads Upgrade	R 40 000
	Tarring of Dube, Grootboom and Luzipho Streets in Uitenhage, NMBM.	

PROJECT EXPERIENCE (continued)

2007	BA PE ICC Site Assessment	R 150 000
	Port Elizabeth International Convention Centre Rapid site assessment, NMBM.	
2007	EIA Exemptions Applications Motherwell	
	Motherwell/Coega outfall canal upgrade.	
2007	EIA Exemptions Applications Lorraine Infill Development	
	Erf 17, Lorraine, infill development.	
2007	EIA Exemptions Applications Korsten Upgrade	
	Korsten Modal Interchange Upgrade.	
2007	GIS SANRAL outdoor advertising opportunities	
	SANRAL outdoor advertising opportunities in the Eastern Cape, SANRAL.	
2007	Coega Integrated Stormwater Plan	
	Coega Integrated Stormwater Plan, Coega Development Corporation.	
2007	Uitenhage Stormwater Master Plan	
	Uitenhage Stormwater Master Plan, NMBM.	
2006	Nelson Mandela Metropolitan University exchange programme	
	Analyses and identification of nematode collected samples from the Mngazi Estuary in the Eastern Cape (former Transkei), South Africa, University of Ghent, Belgium – Nelson Mandela Metropolitan University exchange programme.	
2005 - 2006	Berg River Reserve Determination Study	R 150 000
	Hyperbenthos and zooplankton field assessment in Berg River estuary.	
2005	Olifants River Reserve Determination Study, Western Cape	R 300 000
	Specialised field ecologist - Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Olifants River estuary for the Olifants River Reserve Determination study, Western Cape., Contracted sampling for CSIR Stellenbosch (Environmentek).	
2004- 2005	DWAF - Kromme and Seekoei Estuary Reserve Determination Study	R 200 000
	Specialised field ecologist - Kromme and Seekoei Estuary Catchment Reserve Study. Contracted sampling for Department of Water Affairs and Forestry (DWAF).	
2003 - 2004	Berg River Baseline Monitoring Program (UCT)	R 350 000
	Berg River Baseline Monitoring Program (UCT). Collecting subtidal macrozoobenthos.	
2002 - 2006	University of Port Elizabeth Ecological analysis	R4 million
	Specialised field ecologist - Field assessment: subtidal macrozoobenthic and hyperbenthic invertebrates, zooplankton, microzooplankton, meiofauna at Mngazi and Mngazana River estuaries.	
2002 - 2003	University of Port Elizabeth Ecological analysis	
	Ecological analysis of the functioning Sundays, Swartkops, Kromme, and Gamtoos estuaries using Ecopath with Ecosim, and assessment of the impact of recreational fishing on these ecosystems. MSc dissertation, University of Port Elizabeth.	

PROJECT EXPERIENCE (continued)

- 2002 Sylt Ecosystem, Germany R 250 000**
Assistant ecosystem modeller - Assisting in preparation and balancing of ecosystem carbon flow models of the Sylt Ecosystem, Germany.
- 2002 Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Rooiels R 400 000**
Specialised field ecologist - Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Rooiels, Palmiet, Heuningnes, Breede, Klein Brak and Kaaimans River estuaries, Western Cape.
- 2002 Field Assessment - intertidal invertebrates Eastern Cape R 150 000**
Specialised field ecologist - Field assessment: intertidal invertebrates in Kabeljous, Gamtoos, Swartkops, Sundays and Kariga River estuaries, Eastern Cape.

PAPERS, PUBLICATIONS, PRESENTATIONS AND PROFESSIONAL SOCIETIES

PAPERS, PUBLICATIONS

1. Vosloo, M C and Hendricks, M G J. 2017. Marine and estuarine nematodes in South Africa, Book Chapter. In *Nematology in South Africa: A view from the 21st Century*. Fourie, Spaul, Jones, Daneel, De Waele (Eds).
2. Vosloo, M.C. 2012. Network analysis of trophic linkages in two sub-tropical estuaries along the south-east coast of South Africa. PhD thesis, Nelson Mandela Metropolitan University.
3. Vosloo, M.C. 2009. Marine and estuarine meiofauna: Contribution to the National Marine Ecosystem Diagnostic Analysis. Agulhas and Somali Current Large Marine Ecosystems.
4. Vosloo, M.C. 2004. A comparative assessment of the impact of recreational and subsistence fishing on selected Eastern Cape estuarine ecosystems using the Ecopath modelling approach. MSc Dissertation, University of Port Elizabeth, Port Elizabeth.

PROFESSIONAL SOCIETIES

1. Member of International Association for Impact Assessment – South Africa (IAIASa)
2. Registered member of South African Council for Natural Scientific Professions, (SACNASP)

EMPLOYMENT RECORD

2013 - Present	Zitholele Consulting	Manager: Licencing and Permitting, Senior Environmental Consultant
2012	GIBB Engineering and Science	Senior Environmental Scientist
2007 – 2011	GIBB Engineering and Science	Environmental Scientist



2008 – 2011	Nelson Mandela Metropolitan University	Postgraduate (part-time) Student
2005 – 2007	Nelson Mandela Metropolitan University	Full time Postgraduate (PhD) Student
2001 - 2003	University of Port Elizabeth	Full time postgraduate (MSc) Student
2006	University of Ghent, Belgium	Exchange Ecologist