

# Johanna Adriana (Riana) Panaino

## ENVIRONMENTAL CONSULTANT

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### CORE SKILLS

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- Comprehensive project planning and coordination;
  - Client, authority and stakeholder engagement;
  - Technical report writing;
  - Legal requirement assessments; and
  - Strategic environmental planning for long-term compliance.
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### Details

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#### Qualifications

BSc. Botany & Zoology

BSc. Hons. Biodiversity & Conservation

#### Memberships

Environmental Law Association (ELA)

South African Council of Natural Science Professionals (SACNASP)  
*Application pending*

#### Languages

English – fluent

Afrikaans –fluent

### PROFILE

Riana is an Environmental Consultant at GCS (Pty) Ltd and has worked for the Environmental Unit since 2012. Riana has 5 years' experience in the environmental management field and 4 years' experience as a wetland ecologist. She has worked with the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the associated regulations, the National Water Act, 1998 (Act No. 36 of 1998), as well as DWA Wetland Guidelines. Her key function in the unit includes drafting Environmental Impact Assessment Reports, Basic Assessment Reports, Environmental Management Programmes, and Wetland Assessments. All of the above functions require in depth communication with government departments and well as the public.

Riana has specialist skills in the following areas:

- Specialist Co-ordination
- Project Management
- Compilation of Environmental Management Programmes
- Compilation of Environmental Impact Assessment Reports
- Government Department Liaison
- Assessment of Wetland Status and Functionality
- Determination of Wetland Boundaries



# Key Project Experience

## PROFESSIONAL EXPERIENCE:

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### ECOLOGY

2007 - Tweelopiesspruit, Gauteng, South Africa

- Honours project to determine the effect of mining effluent on the aquatic macroinvertebrates of the Tweelopiesspruit. The SASS5 protocol and chemistry analysis was used during this project.

2008 - Eskom Bravo, Mpumalanga, South Africa

- Search and rescue of Red Data flora. Responsibilities included the location, identification and translocation of Red Data flora.

2008, 2009 - Zwartkoppies, Gauteng, South Africa

- The delineation, classification and assessment of the wetlands and the riparian vegetation for input into an EIA and compliance with GDACE regulations.

2008 - Jameson Park, Gauteng, South Africa

- Ecological baseline and impact assessment. Responsibilities include identification of riparian areas and wetlands, and assessing their ecological state for input into the EIA.

2009, 2010, 2011 - Eskom Kusile, Mpumalanga, South Africa

- Search and rescue of Red Data flora. Responsibilities included the location, identification and translocation of Red Data, protected, significant and medicinal flora, along with assisting in reporting on the findings of the project.

2010 - Rand Uranium U-plant, Gauteng, South Africa

- Responsibilities on this project included wetland input for the EIA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

2010 - Rand Uranium Millsite, Gauteng, South Africa

- Responsibilities on this project included wetland input for the EIA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

2009 - NBC Belfast, Mpumalanga, South Africa

- Ecological sensitivity assessment. Responsibilities included desktop delineation of important and sensitive areas with specific focus on the wetlands within the project area.

2010 - NBC Belfast, Mpumalanga, South Africa

- Ecological specialist assessment. Responsibilities included assisting with the delineation, classification and characterisation of the wetlands within the project area for input into EIA. further responsibilities were project coordination and report compilation.

2010 - New Vaal Colliery, Freestate, South Africa

- Scoping study which included the desktop mapping of sensitive and important areas with a focus on wetlands.

2010 - Waterberg Power Station, Limpopo, South Africa

- Ecological studies with responsibilities that included wetland input for the EIA and EMP. Wetland delineation, classification and characterisation was done on the wetlands found during this study.

2010 - Thaba Metsi, Limpopo, South Africa

- Project assistance and coordination for the specialist ecological studies conducted on this project.

2010 - New Vaal Life Expansion, Freestate, South Africa

- Ecological studies with responsibilities that included wetland input for the project EIA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

2011 - Kromdraai Pipeline, Mpumalanga, South Africa

- Ecological studies with responsibilities that included wetland input for the project EIA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

2012 - Mooiplaats, Mpumalanga South Africa

- Ecological studies with responsibilities that included wetland input for the IWULA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

2012 - Schoongezicht, Mpumalanga South Africa

- Ecological studies with responsibilities that included wetland input for the IWULA. Wetland delineation, classification and characterisation were done on the wetlands found during this study.

## **ENVIRONMENTAL IMPACT ASSESSMENT**

2008 - Lonmin Akanani, Limpopo, South Africa

- Project assistance, coordination and report compilation of the various studies done on this project.

2012 - Leeuwpan, Mpumalanga, South Africa

- Project Management, coordination and EIA and EMP report compilation as well as public consultation of the various aspects on this project.

2012 - Otjozondou, Namibia

- Environmental Impact Assessment Report Compilation

2012 - Bighorn Substation, Northwest, South Africa

- Project assistance, coordination and report compilation as well as public consultation of the various aspects on this project.

2012 - Jacomynspan, Northern Cape, South Africa

- Project Management, coordination and EIA and EMP report compilation as well as public consultation of the various aspects on this project.

2013 - Glencore Rietvly - Northwest, South Africa

- Project Management, coordination and BA and EMP report compilation as well as public consultation of the various aspects on this project.

2014 - Quantum Crushing and Screening, KwaZulu-Natal, South Africa

- Project Management, coordination and BA and EMP report compilation as well as public consultation of the various aspects on this project.

2015 - Exxaro UCG Project, Limpopo, South Africa

- Project Management, coordination and public consultation of the various aspects on this project.

2015 - Exxaro Matla Project, Mpumalanga, South Africa

- Project Consultant, coordination and EIA and EMP report compilation as well as public consultation of the various aspects on this project.

2015 - Exxaro Belfast Project, Mpumalanga, South Africa

- Environmental Control Officer

2016 - Exxaro Coal Central Eloff Project, Mpumalanga, South Africa

- Project Consultant, coordination and EIA and EMP report compilation as well as public consultation of the various aspects on this project.

2016 - Exxaro NBC Project

- Project Consultant, coordination and BA and EMP report compilation as well as public consultation of the various aspects on this project.

## **BIOLOGICAL SCIENCES**

2009 - Eskom DPSS, Freestate/KwaZulu Natal, South Africa

- Assisted in the capture of fish for genetic sampling to map distribution patterns between two different catchment.

## **ENVIRONMENTAL MANAGEMENT AND MONITORING**

2008, 2009, 2010 - Matla, Mpumalanga, South Africa

- Matla Wetland Monitoring and Management Plan for Matla coal mine. Responsibilities included: weekly site visits and reporting of findings during the construction of the Matla river diversion and assisted in compilation of the wetland management plan