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## PERSONAL DATA

Education  
Nationality  
Languages

**CIARAN CHIDLEY**  
Pr Eng, BSc (Eng) (Civil) B.A. (Econ)  
South African  
English and Afrikaans

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## EDUCATION AND PROFESSIONAL QUALIFICATIONS

- Registered Professional Engineer with the Engineering Council of South Africa – Reg. no. 980360
  - B.Sc (Eng) Civil Engineering – University of the Witwatersrand
  - B.A. Economics, Philosophy – University of South Africa
  - Master of Business Administration – University of the Witwatersrand
  - Certified training as an Occupational Health and Safety Officer.
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## EXPERIENCE AND KEY QUALIFICATIONS

- Jan 2000 to date • **Nemai Consulting – Environmental, Health and Safety Auditor**  
Project leader for EIAs, SEAs, and EMFs.  
Environmental auditing and monitoring of projects for clients.  
Health and Safety agent duties for various types of construction projects
  - Aug 1997 – Jan 2000 • **Bergman-Ingérop ending Regional Manager, Nelspruit Office**, overall responsibility for projects in a variety of disciplines carried out in Mpumalanga
  - June 1994 – Jul 1997 • **Site and Safety Agent for Murray and Roberts/Gillis** – Mason. oversaw a variety of construction projects in the capacity of project leader
  - Jan 1993 – June 1994 • **National Service** – SA Navy in Simonstown, Gordons Bay and Silvermine/SAS Protea
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## INVOLVEMENT IN SPECIFIC PROJECTS OF INTEREST

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| Hazelmore Dam Raising EIA               | <ul style="list-style-type: none"><li>• Project leader of the raising of the Hazelmore Dam EIA. The project involved the raising of the dam by 7m to increase the dam yield. The EIA involved the review of various specialist disciplines including flora, fauna, heritage, visual, operational rules and a social impact assessment. Comprehensive public participation was conducted for the project including the conducting of focus groups sessions and open days.</li></ul>   |
| Empangeni Richards Bay Waste Water Link | <ul style="list-style-type: none"><li>• Project leader of the EIA for a new waste water pipeline linking Empangeni's Industrial areas to the Richards Bay Main Outfall. The pipe length was 20 kilometres. The EIA included route review, flora and fauna specialist studies and risk assessment across a road bridge crossing. A public participation campaign was conducted along the route and yielded co-operation with all affected landowners. Was involved in negotiations for crop compensation.</li></ul>   |
| Phokeng to Sun City Road                | <ul style="list-style-type: none"><li>• Project leader for the widening and re-routing of the main transport link between Rustenburg and Sun City. The road width was doubled along its length and re-routed around the town of Boshhoek. The EIA involved extensive consultations with landowners regarding environmental impacts and expropriation processes. The re-routing of the road around Boshhoek was highly controversial and necessitated a comprehensive socio-economic study. Additional specialist studies involved flora, fauna and heritage. Applications were also made to DME for permissions to create and use borrow pits.</li></ul> |
| Gauteng Department of Housing EIAs      | <ul style="list-style-type: none"><li>• Project leader for all the EIAs conducted for Housing Developments in Tshwane during a three year period. The project involved EIAs for 32 sites and included the conducting and oversight of specialist studies ranging from socio-economic, flora, fauna, heritage, visual impacts, noise impacts and traffic studies. The projects all involved Public Participation and liaison with community structures.</li></ul>   |
| Fairbreeze C Ext Public Participation   | <ul style="list-style-type: none"><li>• Project leader for the Public Participation campaign for the EIA required for the establishment of a Mineral Sands Mine adjacent to Mtunzini, Kwa-Zulu Natal. The project was controversial and a series of 12 public meetings were necessary for the project. Impacts and mitigations formed an important part of the process and as such close liaison with the various specialists was necessary. In this case, the specialist studies were geology, geo-hydrology, water resources, avi-fauna, heritage, socio economic, noise, visual, operational rules and traffic.</li></ul>                             |
| Fairbreeze C Ext Socio-Economic         | <ul style="list-style-type: none"><li>• Conducted the Socio-Economic specialist study for the project. The study presented the socio-economic status quo of the area, generated impacts that the mine would have on the community and</li></ul>  |

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StudyPublic Participation suggested mitigation measures. The report was included in the final EIA for the mine.

Heritage Park SEA

- Project Leader for the Strategic Environmental Assessment for the Heritage Park. The Heritage Park is a project involving the joining the Pilanesburg Game Reserve and the Madikwe Nature Reserve in the North West Province. The resultant park will rival the Kruger Park in size. The SEA involved a status quo assessment and the placing of environmental limits to development. The project involved extensive GIS mapping.

Jukskei River EMF

- Project leader for the Juskskei River Environmental Management Framework. The river is highly stressed and the project presented a status quo assessment and options to arrest and reverse the degradation. The project suggested a number of mitigation measures such as litter traps, river velocity reduction measures, bank repair and rehabilitation and appropriate river management measures. The study also involved a hydrological assessment of the catchment and resultant river flows.

ERPM Mine Water

- Project leader for a project that identified the various sources of the ground water reporting to the ERPM Mine. The Mine is one of the lowest in a chain of gold mines along the so called Main Reef of the Witwatersrand, As such, mine water from “higher” mines decant through existing mine workings to reach ERPM, a distance of 50 kms. The report demonstrated that water was indeed reporting from other mines and from surface holings considerable distances away from the mine. The report was used to justify the sharing of pumping costs incurred by ERPM to keep their works free of water.

Lebombo Border Post

- The upgrading of the facilities at the border post between Moçambique and South Africa. Preliminary and detailed design of the new truck backup facilities and the existing border post facilities were carried out and construction drawings were produced. The work was multi-disciplinary in nature and involved structural design of buildings, civil and earthworks design and roadway design including an intersection with a national road. Construction monitoring was carried out under my supervision, as was the budgeting and reporting to the project manager. The work was carried out under the New Engineering Contract documents. The project was conducted whilst I was office manager of the Bergman-Ingérop branch in Nelspruit. The construction value of the project was R15 million.

Nkomazi District Bulk Water Supply

- This project was the design and construction of bulk water supply to the eleven villages on the right bank of the Lomati river in the Nkomazi District, Mpumalanga. Preliminary and detailed designs were carried out and construction drawings were prepared. The



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were carried out and construction drawings were prepared. The project entailed the design and construction of three concrete reservoirs, 7000m of rising main and 4000m of gravity mains. All interconnecting pipe work at the reservoirs, reservoir control mechanisms and raw water river abstraction pump stations were included in the scope of the works. The project was conducted whilst I was office manager of the Bergman-Ingérop branch in Nelspruit. The construction value of the project was R9 million.

Construction of reinforced concrete reservoirs

- Three reinforced concrete reservoirs were constructed under my direction as a site agent at Murray and Roberts / Gillis-Mason. They were of a unique, in-house, design and varied in size from 5Ml to 10Ml. All three had concrete domed roofs. The value of each contract was approximately R2 million.

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"I Ciaran Chidley confirm that the above CV is an accurate description of my experience and qualifications.

Signed .....

**C.Chidley**

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**Date**