

Heritage Statement for a Proposed Acetylene Gas Production Facility,
located near Witkopdorp, Daleside, south of Johannesburg

ERM2556



Appendix A: Curriculum Vitae



DIGBY WELLS
ENVIRONMENTAL

SHAHZAADEE KARODIA KHAN

Mrs Shahzaadee Karodia Khan

Assistant Heritage Consultant: Palaeontological Specialist

Social Science Department

Digby Wells Environmental

1 EDUCATION

- 2006 BA Anthropology & Archaeology, University of the Witwatersrand
- 2007 BSc Honours. Palaeontology, University of the Witwatersrand
 - Courses included: comparative vertebrate anatomy; cladistics analysis; primate and human evolution; Karoo biostratigraphy; dinosaurs and the origins of birds; Cenozoic mammals; taphonomy; and palaeoecology
 - Honours Thesis: "Encephalization and its relationship to orbit size in modern humans and a small bodied population from Palau, Micronesia".
- 2012 MSc Archaeology, University of the Witwatersrand
 - MSc Thesis: "Naturally mummified human remains from Historic Cave, Limpopo, South Africa".
 - Skills obtained during MSc included: stereo microscopy; light microscopy; scanning electron microscopy; and histology

2 LANGUAGE SKILLS

- English (read, write, speak)
- Currently completing French training for beginners

3 EMPLOYMENT

2012:	Archaeology consultant, Digby Wells Environmental
April 2012 – June 2012:	External archaeology research consultant, EcoAfrica
April 2011 – November 2011:	Archaeology intern, University of Pretoria
2007 – 2008:	Palaeontology collections assistant, BPI University of the Witwatersrand
2006 – 2007:	Tour guide, Sterkfontein Caves

4 EXPERIENCE

- Archaeology Field School in Klipriviersberg with Dr Karim Sadr, University of the Witwatersrand
- Archaeology Field School in Swartkrans and Maropeng with Dr Kathy Kuman, University of the Witwatersrand
- Archaeology Field School in Ottosdaal with Dr Thembi Russell, University of the Witwatersrand
- Palaeontology Field School in the Karoo with Professor Bruce Rubidge, University of the Witwatersrand
- Palaeontology Field School in Gladysvale with Professor Lee Berger, University of the Witwatersrand
- Palaeontology Field School in Wonderkrater with Dr Lucinda Backwell, University of the Witwatersrand



5 PROJECT EXPERIENCE

Project Title	Client	Role
Heritage Statement for the Central Basin, Witwatersrand AMD Project	AECOM	Heritage Specialist & Report Writer
Heritage Impact Assessment for the Witwatersrand Gold Fields Acid Mine Drainage Project (Western Basin)	AECOM	Heritage Specialist & Report Writer
Heritage Statement for the Dalyshope Project: Phase 1 NEMA Application, Lephalale, Limpopo Province	Anglo American Thermal Coal	Heritage Specialist & Report Writer
Archaeological Watching Brief on Access Road	Bokoni Platinum Mine	Heritage Specialist & Report Writer
Heritage Impact Assessment for the Proposed Bokoni Klipfontein Opencast Mine Project, Klipfontein 465 KS, Sekhukhune, Limpopo Province	Bokoni Platinum Mine	Heritage Specialist & Report Writer
Heritage Statement for Rhodium Reef Limited Platinum Operation, Limpopo Province	EastPlats Group	Palaeontological Specialist
Heritage Screening Assessment for the Kangra Coal Project	ERM	Palaeontological Specialist
Heritage Impact Assessment for the Kangra Coal Project	ERM	Heritage Specialist & Report Writer
Heritage Statement for the Thabametsi Project, Lephalale, Limpopo Province	Exxaro Coal	Heritage Specialist & Report Writer
Heritage Impact Assessment for the Proposed Thabametsi Project, Lephalale, Limpopo Province	Exxaro Coal	Heritage Specialist & Report Writer
Heritage Statement for Eskom Transmission Division – Roodepoort Strengthening Project	Fourth Element	Heritage Specialist & Report Writer



Project Title	Client	Role
Phase 1 Heritage Impact Assessment of the Proposed Geluksdal Tailings Storage Facility and Pipeline	Gold One International Limited	Heritage Specialist & Report Writer
Heritage Statement Report for the Kosmosdal Sewer Pipe Bridge Upgrade	Iliso Consulting	Palaeontological Specialist
Heritage Statement Report for the Wilgespruit Bridge Upgrade	Iliso Consulting	Palaeontological Specialist
Heritage Statement for Atcom And Tweefontein Dragline Relocation Project	Jones and Wagener Consulting Civil Engineers	Palaeontological Specialist
Heritage Statement for the Consbrey Colliery	Msobo Coal	Heritage Specialist & Report Writer
Heritage Statement for the Harwar Colliery	Msobo Coal	Heritage Specialist & Report Writer
Heritage Impact Assessment for the Consbrey Colliery Project, Mpumalanga Province	Msobo Coal	Palaeontological Specialist
Heritage Impact Assessment for the Harwar Colliery Project, Mpumalanga Province	Msobo Coal	Heritage Specialist & Report Writer
Heritage Statement for the Waterberg Prospecting Rights Application, Blouberg, Limpopo Province	Platinum Group Metals	Heritage Specialist & Report Writer
Heritage Statement for the Platreef Platinum Project, Mokopane, Limpopo Province	Platreef Resources	Heritage Specialist & Report Writer
Heritage Statement for the Rhodium Reef Limited Platinum Operation, Limpopo Province	Rhodium Reefs	Palaeontological Specialist
Heritage Statement for the Vedanta IPP Project, Lephale, Limpopo Province	Vedanta Zinc International	Heritage Specialist & Report Writer

Project Title	Client	Role
Heritage Statement for the Zandbaken Coal Mine Project, Standerton, Mpumalanga Province	Xstrata Coal South Africa	Heritage Specialist & Report Writer

6 PROFESSIONAL AFFILIATIONS

- Association of Southern African Professional Archaeologists (ASAPA)
- Geological Survey of South Africa (GSSA)
- Golden Key Society
- Palaeontological Society of Southern Africa (PSSA)
- South African Archaeology Society (SAAS)
- Society of Africanist Archaeologists (SAfA)
- South African Society for Amateur Palaeontologists (SASAP)



DIGBY WELLS
ENVIRONMENTAL

NATASHA HIGGITT

Ms Natasha Higgitt
Archaeology Consultant
Social Department
Digby Wells Environmental

1 EDUCATION

- University of Pretoria
- BA Degree (2008)
- Archaeology Honours (2009)
- Title of Dissertation- Pass the Salt: An Archaeological analysis of lithics and ceramics from Salt Pan Ledge, Soutpansberg, for evidence of salt working and interaction.

2 LANGUAGE SKILLS

- English - Excellent (read, write and speak)
- Afrikaans - Fair (read, write and speak)
- Italian – Poor (Speaking only)

3 EMPLOYMENT

- July 2011 to Present: Archaeology Consultant at Digby Wells Environmental
- April 2011 to June 2011: Lab assistant at the Albany Museum Archaeology Department, Grahamstown, Eastern Cape
- April 2010 to March 2011: Intern at the Archaeology Department, Albany Museum, Grahamstown, Eastern Cape under the Department of Sports, Recreation, Arts and Culture, Eastern Cape Government, South Africa (DSRAC)

4 EXPERIENCE

- Human remains rescue excavation at St Francis Bay, Eastern Cape
- Human remains rescue excavation at Wolwefontein, Eastern Cape

Digby Wells & Associates (Pty) Ltd. Co. Reg. No. 1999/05985/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa

Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: A Sing*, AR Wilke, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O)

*Non-Executive

- Recorded two rock art sites at Blaauwbosch Private Game Reserve, Eastern Cape
- Attended a 2 week excavation/study tour in the Friuli Region in Italy, organised by the *Società Friulana di Archeologia*, sponsored by *Ente Friuli nel Mondo*, and excavated a 12th century medieval castle
- Attended a 2 week excavation in Limpopo, Waterpoort Archaeological Project organised by Xander Antonites (Yale PhD Candidate)
- A total of 5 University of Pretoria Archaeology field schools in Limpopo and Gauteng spanning over 4 years

5 PROJECT EXPERIENCE

- Phase 1 Heritage Impact Assessment for the Thabametsi Coal Mine, Lephalale, Limpopo for Exxaro Coal (Digby Wells Environmental)
- Heritage Statement for the Zandbaken Coal Mine Project, Zandbaken 585 IR, Sandbaken 363 IR and Bosmans Spruit 364 IS, Standerton, Mpumalanga for Xtrata Coal South Africa (Digby Wells Environmental)
- Phase 1 Heritage Impact Assessment for the Brakfontein Thermal Coal Mine, Mpumalanga for Universal Coal (Digby Wells Environmental)
- Development of a RAP for Aureus Mining for the New Liberty Gold Mine Project, Liberia (Digby Wells Environmental)
- Phase 1 Archaeological Impact Assessment for the MBET Pipeline, Steenbokpan, Limpopo (Digby Wells Environmental)
- Notice of Intent to Develop and Cultural Resources Pre-Assessment for Orlight SA (PTY) Ltd Solar PV Project. 2012. (Digby Wells Environmental)
- Agricultural Survey for Platreef ESIA, Mokopane, Limpopo. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for the Proposed Sylvania Everest North Mining Development in Mpumalanga, near Lydenburg. 2011. (Digby Wells Environmental)
- Phase 2 Mitigation of Archaeological sites at Boikarabelo Coal Mine, Steenbokpan, Limpopo. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for Proposed Platinum Mine Prospecting in Mpumalanga, near Bethal for Anglo Platinum. 2011. (Digby Wells Environmental)
- Cultural Resources Pre-Assessment for proposed Platinum Mine at Mokopane, Limpopo for Ivanhoe Platinum. 2011. (Digby Wells Environmental)
- Phase 1 AIA Mixed-use housing Development, Kwanobuhle, Extension 11, Uitenhage, Eastern Cape. 2011.
- Phase 1 AIA Centane to Qholora and Kei River mouth road upgrade survey, Mnquma Municipality, Eastern Cape. 2011. (SRK Consulting)



- Phase 1 AIA Clidet Data Cable survey, Western Cape, Northern Cape, Free State and Eastern Cape. 2011. (SRK Consulting)
- Phase 1 AIA Karoo Renewable Energy Facility, Victoria West, Northern Cape. 2011. (Savannah Environmental)
- Phase 1 AIA Windfarm survey in Hamburg, Eastern Cape. 2010. (Savannah Environmental)
- Phase 1 AIA Windfarm survey in Molteno, Eastern Cape. 2010. (Savannah Environmental)
- Phase 1 AIA Housing Development at Motherwell, P.E. 2010. (SRK Consulting)
- Phase 1 AIA Sand quarry survey in Paterson, Eastern Cape. 2010. (SRK Consulting)
- Phase 1 AIA Quarry Survey at Victoria West. 2010. (Acer [Africa] Environmental Management Consultants)
- Phase 1 AIA Quarry Survey at Port Elizabeth. 2010. (E.P Brickfields)

6 PROFESSIONAL AFFILIATIONS

- Association of Southern African Professional Archaeologists (ASAPA): Professional member
- Association of Southern African Professional Archaeologists (ASAPA): CRM Practitioner (Field Supervisor: Stone Age, Iron Age and Rock Art)
- South African Museums Association: Member



DIGBY WELLS
ENVIRONMENTAL

JUSTIN DU PIESANIE

Mr. Justin du Piesanie
Archaeology Consultant
Social Sciences Department
Digby Wells Environmental

1 EDUCATION

University of the Witwatersrand

- BA Degree (2004)
- BA Honours Degree (2005) - Archaeology
 - Title of Dissertation - Seal Skeletal Distribution of Herder and Forager Sites at Kasteelberg, Western Cape Province of South Africa.
- Master of Science (MSc) Degree (2008) – Archaeology
 - Title of Dissertation – Understanding the Socio-Political Complexity of Leokwe Society during the Middle Iron Age in the Shashe-Limpopo Basin through a Landscape Approach

2 LANGUAGE SKILLS

English First Language
Afrikaans Second Language

3 EMPLOYMENT

2011 to Present: Archaeology Consultant at Digby Wells Environmental

2009 to 2011: Archaeology Collections Manager at the University of the Witwatersrand.

2009 to 2011: Freelance Archaeologist for Archaeology Resource Management (ARM), Matakoma Heritage Consultants, Wits Heritage Contracts Unit & Umlando Heritage Consultants.

2006 to 2007: Tour Guide at Sterkfontein Caves World Heritage Site.

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*Non-Executive

4 EXPERIENCE

- Wits Fieldschool - Excavation at Meyersdal, Klipriviersberg Johannesburg (Late Iron Age Settlement).
- Wits Fieldschool - Phase 1 Survey of Prentjiesberg in Ugie / Maclear area, Eastern Cape.
- Wits Fieldschool – Excavation at Kudu Kopje, Mapungubwe National Park Limpopo Province.
- Wits Fieldschool – Excavation of Weipe 508 (2229 AB 508) on farm Weipe, Limpopo Province.
- Survey at Meyersdal, Klipriviersberg Johannesburg.
- Mapping of Rock Art Engravings at Klipbak 1 & 2, Kalahari.
- Survey at Sonop Mines, Windsorton Northern Cape (Vaal Archaeological Research Unit).
- Excavation of Kudu Kopje, Mapungubwe National Park Limpopo Province.
- Excavation of KK (2229 AD 110), VK (2229 AD 109), VK2 (2229 AD 108) & Weipe 508 (2229 AB 508) (Origins of Mapungubwe Project)
- Phase 1 Survey of farms Venetia, Hamilton, Den Staat and Little Muck, Limpopo Province (Origins of Mapungubwe Project)
- Excavation of Canteen Kopje Stone Age site, Barkley West, Northern Cape
- Excavation of Khami Period site AB32 (2229 AB 32), Den Staat Farm, Limpopo Province

5 PROJECT EXPERIENCE

- Phase 2 Mitigation at Meyersdal, Klipriviersberg Johannesburg (ARM)
- Phase 1 Mitigation – Mapping of Late Iron Age Site in Pilansberg, Sun City (ARM)
- Phase 1 Mitigation – Survey of Witbank dam development (ARM)
- Phase 1 Mitigation – Survey of Glen Austin AH, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 34, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 38, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 44, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 46, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 47, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 48, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 49, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 50, Johannesburg (Matakoma)



- Phase 1 Mitigation – Survey of Modderfontein AH Holding 61, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 62, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 71, Johannesburg (Matakoma).
- Phase 1 Mitigation – Survey of Modderfontein AH Holding 72, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Modderfontein 35IR Portion 40, Johannesburg (Matakoma)
- Phase 1 Mitigation – Survey of Rhino Mines, Thabazimbi Limpopo Province (ARM)
- Phase 1 Mitigation – Survey of Moddergat 389KQ, Schilpadnest 385KQ, Swartkop 369KQ, Cronimet Project, Thabazimbi Limpopo Province (Matakoma)
- Desktop Study – Desktop study for the Eskom Thohoyandou SEA Project, Limpopo Province (Matakoma)
- Phase 2 Mitigation – Excavation of Iron Age site on Wenzelrust, Shoshanguve Gauteng (Heritage Contracts Unit)
- Phase 1 Mitigation – Mapping of Late Stone Age shelter, Parys, Free State
- Phase 1 Mitigation – Survey of Vaalkrans Battlefield for the Transnet NMPP Line (Umlando)
- Phase 1 Mitigation – Survey of Portion 222 of Mindale Ext 7 Witpoortjie 254 IQ & Portion 14 of Nooitgedacht 534 IQ, Johannesburg (ARM)
- Phase 2 Mitigation – Excavation of Site 19 for the Anglo Platinum Mines Der Brochen & Booyensdal, Steelpoort, Mpumalanga (Heritage Contracts Unit)
- Phase 1 Mitigation – Mapping of sites 23, 26, 27, 28a & b for the Anglo Platinum Mines Der Brochen & Booyensdal, Steelpoort, Mpumalanga (Heritage Contracts Unit)
- Desktop Study - Desktop study for the inclusion into the Thohoyandou Electricity Master Network for Eskom, Limpopo Province (Strategic Environmental Focus)
- Phase 1 Mitigation – Mapping of historical sites as part of the mitigation for the expansion of the Bathlako Mine's impact area (Heritage Contracts Unit).
- Phase 2 Mitigation – Kibali Grave Relocation Project (KGRP) for the Kibali Gold Project, Democratic Republic of Congo (Digby Wells)
- Phase 1 Mitigation – Heritage Assessment and Survey for the proposed Kibali Hydro Power Stations, Democratic Republic of Congo (Digby Wells)
- Phase 1 Mitigation – Heritage Impact Assessment & Survey of the farm Vygenhoek for Aquarius Resources Everest North Mining Project, Steelpoort, Mpumalanga (Digby Wells)
- Phase 1 Mitigation – Heritage Impact Assessment for the Gold One International Ltd Proposed Geluksdal Tailings Storage Facility and Pipeline Infrastructure, Johannesburg, Gauteng Province (Digby Wells)
- Phase 1 Mitigation – Burial Grounds and Graves Survey (BGGS) for Platreef Resources, Mokopane, Limpopo Province (Digby Wells)
- Phase 2 Mitigation – Archaeological Impact Assessment of sites for Resource Generation Boikarabelo Mine, Steenbokpan, Limpopo Province (Digby Wells)



JOHAN NEL

Mr Johan Nel

Unit manager: Heritage Resources Management

Social Sciences

Digby Wells Environmental

1 EDUCATION

2002 BA Honours - Archaeology

2001 BA Anthropology & Archaeology

1997 Matriculated Brandwag Hoërskool

2 LANGUAGE SKILLS

Fluent in English and Afrikaans

3 EMPLOYMENT

2011 to present Unit manager: Heritage Resources Management, Digby Wells Environmental

2010-2011 Archaeologist, Digby Wells Environmental

2005-2010 Manager and co-owner, Archaic Heritage Project Management

2003-2005 Freelance archaeologist

Resident archaeologist, Rock Art Mapping Project, Ndidima, Ukhahlamba-Drakensberg World Heritage Site

2002-2003 Special Assistant: Anthropology, Department of Anatomy, University of Pretoria

2001-2002 Technical Assistant: Department of Anatomy, University of Pretoria

1999-2001 Assistant: Mapungubwe Project, National Cultural History Museum & Department of Anthropology and Archaeology, UP

4 EXPERIENCE

I have 13 years of combined experience in the field of cultural heritage resources management (HRM) including archaeological and heritage assessments, grave relocation, social consultation and mitigation of archaeological sites. I have gained experience both within urban settings and remote rural landscapes. Since 2010 I have been actively involved in environmental management that has allowed me to investigate and implement the integration of heritage resources management into environmental impact assessments (EIA). Many of the projects since have

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*Non-Executive



required compliance with International Finance Corporation (IFC) requirements and other World Bank standards. This exposure has allowed me to develop and implement a HRM approach that is founded on international best practice and leading international conservation bodies such as UNESCO and ICOMOS. I have worked in most South African Provinces, as well as Swaziland, the Democratic Republic of the Congo and Sierra Leone. I am fluent in English and Afrikaans, with excellent writing and research skills.

5 PROJECT EXPERIENCE

PHASE 1 ARCHAEOLOGICAL IMPACT ASSESSMENTS:

- Above Ground Storage Tanks survey, SASOL Oil (Pty) Ltd, Free State Province, South Africa
- Access road establishment, AGES-SA, Tzaneen, South Africa
- Boikarabelo Railway Link, Resgen South Africa, Steenbokpan, South Africa
- Conversion of prospecting rights to mining rights, Georock Environmental, Musina, South Africa
- Galaxy Gold Agnes Mine, Barberton, South Africa
- HCI Khusela Palesa Extension, Bronkhorstspuit, South Africa
- Kennedy's Vale township establishment, AGES-SA, Steelpoort, South Africa
- Koidu Diamond Mine, Koidu Holdings, Koidu, Sierra Leone
- Lonmin Platinum Mine water pipeline survey, AGES-SA, Lebowakgomo, South Africa
- Mining right application, DERA Environmental, Hekpoort, South Africa
- Mogalakwena water pipeline survey, AGES-SA, Limpopo Province, South Africa
- Nzoro Hydropower Station, Environmental and Social Impact Assessment, DRC
- Randgold Kibali Gold Project, Environmental and Social Impact Assessment, Kibali, Democratic Republic of the Congo
- Randwater Vlaktefontein-Mamelodi water pipeline survey, Archaeology Africa cc, Gauteng, South Africa
- Residential and commercial development, GO Enviroscience, Schoemanskloof, South Africa
- Temo Coal, Limpopo, South Africa
- Transnet Freight Line survey, Eastern Cape and Northern Cape, ERM, South Africa
- Van Reenen Eco-Agri Development Project, GO Enviroscience, South Africa
- Platreef Platinum Mine, Ivanhoe Nickel & Platinum, Mokopane, South Africa

MITIGATION PROJECTS:

- Mitigation of Iron Age archaeological sites: Kibali Gold Project, DRC

- Mitigation of Iron Age metalworking site: Koidu Diamond Mine, Sierra Leone
- Mitigation of Iron Age sites: Boikarabelo Coal Mine, South Africa
- Exploratory test excavations of alleged mass burial site: Rustenburg, Bigen Africa Consulting Engineers, South Africa
- Mitigation of Old Johannesburg Fort: Johannesburg Development Agency (JDA), South Africa
- Site monitoring and watching brief: Department of Foreign Affairs Head Office, Imbumba-Aganang Design & Construction Joint Venture, South Africa

GRAVE RELOCATION

- Du Preezhoek-Gautrain Construction, Bombela JV, Pretoria, South Africa
- Elawini Lifestyle Estate social consultation, PGS (Pty) Ltd, Nelspruit, South Africa;
- Motaganeng social consultation, PGS (Pty) Ltd Burgersfort, South Africa
- Randgold Kibali Mine, Relocation Action Plan, Kibali, DRC
- Repatriation of Mapungubwe National Park and World Heritage Site, DEAT, South Africa
- Smoky Hills Platinum Mine social consultation, PGS (Pty) Ltd Maandagshoek South Africa
- Southstock Colliery, Doves Funerals, Witbank, South Africa
- Tygervallei. D Georgiades East Farm (Pty) Ltd, Pretoria, South Africa
- Willowbrook Ext. 22, Ruimsig Manor cc, Ruimsig, South Africa
- Zondagskraal social consultation, PGS (Pty) Ltd, Ogies, South Africa
- Zonkezizwe Gautrain, PGS, (Pty) Ltd, Midrand, South Africa

OTHER HERITAGE ASSESSMENTS AND REVIEWS:

- Heritage Scoping Report on historical landscape and buildings in Port Elizabeth: ERM South Africa
- Heritage Statement and Cultural Resources Pre-assessment scoping report on Platreef Platinum Mine, Mokopane: Platreef Ltd
- Heritage Statement and Scoping Report on five proposed Photo Voltaic Solar Power farms, Northern Cape and Western Cape: Orlight SA
- Land claim research Badenhorst family vs Makokwe family regarding Makokskraal, Van Staden, Vorster & Nysschen Attorneys, Ventersdorp South Africa
- Research report on Cultural Symbols, Ministry for Intelligence Services, Pretoria, South Africa
- Research report on the location of the remains of kings Mampuru I and Nyabela, National Department of Arts and Culture, Pretoria, South Africa
- Review of Archaeological Assessment: Resources Generation, Coal Mine Project in the Waterberg area, Limpopo Province

- Review of CRM study and compilation of Impact Assessment report, Zod Gold Mine, Armenia

6 PROFESSIONAL AFFILIATIONS

Society for Africanist Archaeologists (SAfA)

7 PROFESSIONAL REGISTRATION

Association for Southern African Professional Archaeologists (ASAPA)

Accredited by ASAPA Cultural Resources Management section

International Association of Impact Assessors (IAIA)

8 PUBLICATIONS

Nel, J. 2001. Cycles of Initiation in Traditional South African Cultures. *South African Encyclopaedia* (MWEB).

Nel, J. 2001. *Social Consultation: Networking Human Remains and a Social Consultation Case Study*. Research poster presentations at the Bi-annual Conference (SA3) Association of Southern African Professional Archaeologists: National Museum, Cape Town.

Nel, J. 2002. *Collections policy for the WG de Haas Anatomy museum and associated Collections*. Unpublished. Department of Anatomy, School of Medicine: University of Pretoria.

Nel, J. 2004. Research and design of exhibition for Eloff Belting and Equipment CC for the Institute of Quarrying 35th Conference and Exhibition on 24 – 27 March 2004.

Nel, J. 2004. *Ritual and Symbolism in Archaeology, Does it exist?* Research paper presented at the Bi-annual Conference (SA3) Association of Southern African Professional Archaeologists: Kimberley

Nel, J & Tiley, S. 2004. The Archaeology of Mapungubwe: a World Heritage Site in the Central Limpopo Valley, Republic of South Africa. *Archaeology World Report*, (1) United Kingdom p.14-22.

Nel, J. 2007. *The Railway Code: Gautrain, NZASM and Heritage*. Public lecture for the South African Archaeological Society, Transvaal Branch: Roedean School, Parktown.

Nel, J. 2009. *Un-archaeologically speaking: the use, abuse and misuse of archaeology in popular culture*. *The Digging Stick*. April 2009. 26(1): 11-13: Johannesburg: The South African Archaeological Society.

Nel, J. 2011. 'Gods, Graves and Scholars' returning Mapungubwe human remains to their resting place.' In: *Mapungubwe Remembered*. University of Pretoria commemorative publication: Johannesburg: Chris van Rensburg Publishers.

Nel, J. 2012. *HIAs for EAPs*. Paper presented at IAIA annual conference: Somerset West.

Heritage Statement for a Proposed Acetylene Gas Production Facility,
located near Witkopdorp, Daleside, south of Johannesburg

ERM2556



Appendix B: Site list of Identified Heritage Resources in the Project and Study Areas

Site ID	Site type	Description	Latitude	Longitude	Reference
1991-SAHRA-0005	S.34 & S.35	Numerous ESA, MSA, and LSA scatters; two historical house foundations possible occupied by bywoners in the 19th century; and several historical houses.	-26.454410	27.943851	Huffman, et al. 1991
2004-SAHRA-0102/S.35-1	S.35	An MSA scatter of three flakes on a rocky ridge.	-26.377222	28.051389	Huffman & Schoeman, 2004
2004-SAHRA-0102/S.35-2	S.35	An MSA scatter of stone flakes along a low ridge marked by upright dolerite monoliths.	-26.375556	28.016389	Huffman & Schoeman, 2004
2004-SAHRA-0102/S.34-3	S.34	A stonewalled kraal and a rectangular house with stonewalls and associated middens. The complex could date to the late 19th or early 20th century.	-26.369722	28.017500	Huffman & Schoeman, 2004
2004-SAHRA-0102/S.35-4	S.35	A kraal next to a deep gully.	-26.385556	28.008056	Huffman & Schoeman, 2004
2004-SAHRA-0102/S.35-5	S.35	A small area demarcated by stones.	-26.385833	28.005556	Huffman & Schoeman, 2004
2004-SAHRA-0102/S.34-6	S.34	Homestead remains of black labourers employed on the farm Alewynspoort homestead.	-26.379444	28.003889	Huffman & Schoeman, 2004
2007-SAHRA-0286/S.36-1	S.36	A cemetery with 25 graves. Some of the graves are older than 60 years.	-26.464460	27.915600	Van Schalkwyk, 2007
2007-SAHRA/0286/S.34-2	S.34	A house that is possibly historical. The core section of the house is made of bricks and cement but the other sections of the house are made of asbestos sheeting. There are no outbuildings.	-26.475830	27.908130	Van Schalkwyk, 2007
2007-SAHRA-0286/S.34-3	S.34	The ruins of an old farmstead that was built from sandstone and other types of rocks. Some outbuildings occur but they are in a ruined state.	-26.505440	27.889110	Van Schalkwyk, 2007
2007-SAHRA-0286/S.35-4	S.35	Small circles of packed stone.	-26.482640	27.888310	Van Schalkwyk, 2007
2007-SAHRA-0286/S.34-5	S.34	The ruins of a number of farm labourer homesteads. One of them is quite extensive and also has a substantial kitchen midden. It is probably older than 60 years	-26.479050	27.906330	Van Schalkwyk, 2007
2007-SAHRA-0191/S.35-1	S.35	A few MSA flakes scattered near a small pass that runs through a ridge along the longest hill.	-26.435750	28.034917	Huffman, 2007a
2007-SAHRA-0191/S.35-2	S.35	A cluster of early LSA stone flakes scattered among a small dolomite outcrop. The flakes were made from chert incorporated in the dolomite.	-26.436111	28.043806	Huffman, 2007a
2007-SAHRA-0191/S.35-3	S.35	A few early LSA artefacts around a dolomite outcrop.	-26.435444	28.041722	Huffman, 2007a
2007-SAHRA-0191/S.35-4	S.35	A small scatter of stone flakes, possibly dating to the LSA, just below the top of the longest hill.	-26.433333	28.033333	Huffman, 2007a
2007-SAHRA-0191/S.36-5a	S.36	A historic cemetery that contains about nine graves with eight headstones. One of the graves is of Jurgens Jacobus Greef, 1868 - 1917. It is associated with the house at 2007-SAHRA-0191/S.34-5b.	-26.451750	28.057167	Huffman, 2007a
2007-SAHRA-0191/S.34-5b	S.34	An old house to the west was the original homestead. It is now occupied by the foreman, Thomas Khutsoane.	-26.453389	28.055417	Huffman, 2007a
2007-SAHRA-0191/S.34-5c	S.34	In the 1960s, Thomas Khutsoane lived in a four-roomed longhouse about 100 m behind the main house (2007-SAHRA-0191/S.35-5b).	-26.452917	28.053806	Huffman, 2007a
2007-SAHRA-0191/S.34-5d	S.34	Workers once lived on a terrace above the floodplains to the south of the main house (2007-SAHRA-0191/S.35-5b).	-26.454056	28.056028	Huffman, 2007a
2007-SAHRA-0191/S.34-6	S.34	The Nooitgedacht farm complex with buildings possibly older than 60 years.	-26.431667	28.020833	Huffman, 2007a
2007-SAHRA-0191/S.34-7	S.34	Black labourer households identified during a review of a 1950s map. During the survey, house mounds and other debris were noted where the houses should have been.	-26.419444	28.033333	Huffman, 2007a
2007-SAHRA-0191/S.34-8	S.34	Black labourer households identified during a review of a 1950s map. During the survey, house mounds and other debris were noted where the houses should have been.	-26.419444	28.033333	Huffman, 2007a
2007-SAHRA-0191/S.34-9	S.34	Black labourer households identified during a review of a 1950s map.	-26.433333	28.033333	Huffman, 2007a
2007-SAHRA-0191/S.34-10	S.34	Black labourer households identified during a review of a 1950s map.	-26.433333	28.033333	Huffman, 2007a
2007-SAHRA-0189/S.35-1	S.35	ESA material found eroding out of an old road. The artefacts include a small hand axe, as well as polyhedral cores and flakes made from quartzite and dolerite.	-26.429389	27.981611	Huffman, 2007b
2007-SAHRA-0189/S.34-2	S.34	Two European homesteads on either side of a small stream on the property. Woodcare stood on the north side. At one time it operated as a dairy. One shed bears a date of 1925 and the Manager's house is probably equally as old.	-26.420694	27.979611	Huffman, 2007b
2007-SAHRA-0189/S.34-3	S.34	Mornhill farm stood on the south side. A few outbuildings appear old, particularly the chicken hatchery. Some of the labourer housing is probably equally as old.	-26.427324	27.981048	Huffman, 2007b

2007-SAHRA-0189/S.36.4	S.36	A black cemetery for the Mornhill farm lays on the edge of a gum tree plantation some distance uplope from the compound. There are about 53 graves arranged in about six lines orientated east-west. The cemetery was still used in the 1960s.	-26.426611	27.981306	Huffman, 2007b
2008-SAHRA-0106/S.34-1	S.34	The site consists of a multi-room brick house with a corrugated iron roof. A small outbuilding and a cement feature were also recorded in association. The house and associated structures are not older than 60 years.	-26.488917	27.934000	Coetzee, 2008a
2008-SAHRA-0106/S.34-2	S.34	The site consists of a demolished multi-room brick house. Apart from a carport, no other structures were recorded. The house was not older than 60 years.	-26.489500	27.928417	Coetzee, 2008a
2008-SAHRA-0108/S.34-1	S.34	The site consists of a house and several associated outbuildings and structures. The house is a multi-room brick structure with a thatched roof and is still occupied. The other structures consist of a large shed and a one-room brick house with a corrugated iron roof. The house and the associated structures are not older than 60 years.	-26.598183	27.984333	Coetzee, 2008b
2008-SAHRA-0108/S.34-2	S.34	The site consists of a demolished brick structure. Apart from a few walls, only the foundations still remain and the roof and fittings have been removed. The structure is not older than 60 years.	-26.595983	27.984650	Coetzee, 2008b
2008-SAHRA-0195/S.35-1	S.35	Isolated ESA and MSA artefacts found on the slopes of a hill. The site is an Oakhurst quarry on the lower terrace of the hill. Typical Oakhurst flake scars occur on a thin putcrop on the edge of the terrace. Various flakes and cores lay on the surface.	-26.447222	27.996278	Huffman, 2008
2008-SAHRA-0195/S.35-2a	S.35	Stonewalling within a larger complex. There is a central kraal surrounded by a residential zone. This site also has an ash midden next to the front entrance.	-26.443417	27.995750	Huffman, 2008
2008-SAHRA-0195/S.35-2b	S.35	Stonewalling within a larger complex. There is a central kraal surrounded by a residential zone. This site has the largest central area.	-26.443722	27.995250	Huffman, 2008
2008-SAHRA-0195/S.35-2c	S.35	Stonewalling within a larger complex. There is a central kraal surrounded by a residential zone. This site is well-preserved.	-26.444333	27.995361	Huffman, 2008
2008-SAHRA-0195/S.35-2d	S.35	Stonewalling within a larger complex. There is a central kraal surrounded by a residential zone. Some stones from this site may have been removed in antiquity as the population expanded.	-26.444750	27.995528	Huffman, 2008
2008-SAHRA-0195/S.35-3	S.35	Klipriviersberg-type stonewalling on a ledge on the east of a hill. The site is well-preserved but there appears to be little deposit.	-26.435972	27.996806	Huffman, 2008
2008-SAHRA-0195/S.35-4	S.35	The remains of two separate clusters along the basal road. Farming and other activities have removed much of the stone from the site.	-26.435583	28.000528	Huffman, 2008
2008-SAHRA-0195/S.35-5a	S.35	The remains of two separate clusters along the basal road. Farming and other activities have removed much of the stone from the site.	-26.431278	27.998694	Huffman, 2008
2008-SAHRA-0195/S.35-5c	S.35	The remains of two separate clusters along the basal road. Farming and other activities have removed much of the stone from the site.	-26.432722	27.999278	Huffman, 2008
2008-SAHRA-0195/S.35-6a	S.35	A cluster that stands on the north end. The site contains a lower maize grindstone in one of the back courtyards.	-26.429472	27.992750	Huffman, 2008
2008-SAHRA-0195/S.35-6b	S.35	A cluster that stands on the north end. There is an isolated kraal behind the site.	-26.430028	27.993194	Huffman, 2008
2008-SAHRA-0195/S.36-7	S.36	One black cemetery stands next to the fence line between two agricultural lands. There are nine graves marked by stone piles that are aligned east-west along the fence.	-26.452250	28.002861	Huffman, 2008
2008-SAHRA-0195/S.34-8	S.34	One historical house dating to the 1880s is still in use. President Paul Kruger is said to have used this house as a stop over on various trips.	-26.454194	27.992361	Huffman, 2008
2008-SAHRA-0195/S.34-9	S.34	The remains of an earlier Trek Boer house dating to the 1840s. The clay walls still stand on top of the stone foundation.	-26.454972	27.993083	Huffman, 2008
Wits-Database/S.35-2627DB-12	S.35	A LSA engraving site	-26.610833	27.968333	Wits Database
Wits-Database/S.35-2628CA-1	S.35	A Late Iron Age stonewalled site.	-26.500833	28.150000	Wits Database
Wits-Database/S.35-2628CA-2	S.35	A Late Iron Age stonewalled site.	-26.544444	28.186111	Wits Database
Wits-Database/S.35-2628CA-3	S.35	A Late Iron Age cattle station.	-26.544444	28.202500	Wits Database
Wits-Database/S.35-2628CA-4	S.35	A Late Iron Age site.	-26.548889	28.174122	Wits Database
ERM2556/2628CA/S.34-001	S.34	Witkop Blockhouse	-26.467811	28.069598	HSS