APPENDIX F-1: Details and expertise of Ecological Specialist and Declaration of Interest

dedect
Department:
Economic Development, Environment, Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka &
Stadium Rd
Private Bag X2039
MMABATHO 2735
www.nwpg.gov.za

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Enquiries: Ouma Skosana
Tel: +27 (18) 389 5156
Email: oskosana@nwpg.gov.za
Fax: +27(18) 384 0104

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	
NEAS Reference Number:	
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) KORT AND BUITEN STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Type of Specialist:	Ecologist		
Company Name:	CES Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	70 Regency Drive, Route 21 Business Park, Centurion		
Postal code:	0178	Cell:	
Telephone:	010 045 1372	Fax:	
E-mail:	a.gouws@cesnet.co.za		
Professional affiliation(s) (if any)	IAIASA		

Project Consultant:	CES - Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	70 Regency Drive, Route 21 Business Park, Centurion		
Postal code:	0178	Cell:	
Telephone:	010 045 1372	Fax:	
E-mail:	a.gouws@cesnet.co.za		

2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

See attached CV

AIDAN JOHN GOUWS

Curriculum Vitae

CONTACT DETAILS

Name of Company	**CES – Environmental and Social Advisory Services**
Designation	Centurion Branch
Profession	Environmental Consultant
Years with firm	1
E-mail	a.gouws@cesnet.co.za
Office number	+27 (0)10 045 1372
Nationality	South African
Key areas of expertise	➢ Environmental Authorisation ➢ GIS ➢ Ecological Studies ➢ Database management

PROFILE

Mr Aidan Gouws

Aidan obtained his MSc in Environmental Science (*Cum laude*) from Rhodes University, having conducted research on the spatio-temporal dynamics of *Acacia dealbata* invasions and broader land-use and cover changes in the northern Eastern Cape, funded through a study bursary awarded by the Agricultural Research Council (ARC). Prior to this, he obtained his BSc Honours in Geographical and Environmental Sciences (*Cum laude*) from the University of Pretoria, studying plant ecology and EIA methodology amongst others. He is also member of the Golden Key Honours Society. Aidan joined CES in 2018 and has been involved in several projects, including Basic Assessments, Full Scoping and Environmental Impact Assessments, Environmental Audits and Resettlement Action Plan (RAP) Audit. He works from the Johannesburg office and his interests include the general Environmental Impact Assessment (EIA) process, GIS mapping, ecological studies and the Public Participation Process (PPP).

EMPLOYMENT EXPERIENCE

Environmental Consultant, CES – Environmental and Social Advisory Services
July 2018 – current

- Responsible for conducting a range of environmental studies in the broad fields of Environmental Impact Assessment and Environmental Management.
- Sourcing small to medium projects by preparing proposals under supervision.
- Taking responsibility for Basic Assessments, and small projects under the guidance and supervision of a more senior staff member.
- Taking responsibility for specialist ecological, database management and GIS tasks when required

Volunteer, Khulisa Social Solutions
May 2018 – July 2018

- Responsible for refining the organisational participatory research and intervention methodology guidelines.

Departmental tutor, Department of Environmental Science, Rhodes University
January 2016 – December 2017

- General assistance: helping staff and fellow post-graduate students with GIS- and statistics-related queries.
- Demonstrator: assistance with undergraduate environmental science practical sessions and marking of practical reports.

Demonstrator, Department of Plant Science, University of Pretoria
July 2015 – December 2015

- Assisting third year students in practical plant identification using dichotomous keys and family recognition by diagnostic reproductive and vegetative characters

ACADEMIC QUALIFICATIONS

Rhodes University, Grahamstown, Eastern Cape.

- M.Sc. Environmental Science (*Cum laude*)
  January 2016 – January 2018

University of Pretoria, Pretoria, Gauteng.

- B.Sc. Hons. Geographical and Environmental Sciences (*Cum laude*)
  January 2015 – December 2015

University of Pretoria, Pretoria, Gauteng

- B.Sc. Environmental Sciences (*Cum laude*)
  January 2012 – December 2014

PUBLICATIONS

- Gouws, A. J., & Shackleton, C. M. (2019). A spatio-temporal, landscape perspective on *Acacia dealbata* invasions and broader land use and cover changes in the northern Eastern Cape, South Africa. Environmental Monitoring and Assessment, 191(2), 74.
- Gouws, A. J., & Shackleton, C. M. (2019). Abundance and correlates of the *Acacia dealbata* invasion in the northern Eastern Cape, South Africa. Forest Ecology and Management, 432, 455-466.

MEMBERSHIPS

- Golden Key International Honour Society – University of Pretoria Chapter.

CONSULTING EXPERIENCE

Basic Assessments

1. Ramotshere Moiloa Local Municipality Residential Extension Projects, Zeerust, North West Province (2 BARs) (2019–)
   - Project manager, Ecological Specialist, PPP, Reporting

2. SANRAL Koster N52 Road Upgrade, Koster, North West Province (2018–)
   - Mapping, PPP, Reporting

3. Transnet Freight Rail Installation of Telecommunications Masts and Associated Infrastructure at Various Locations in South Africa (3 BARs) (2019–)
   - Project manager, PPP, Reporting

Full Scoping and Environmental Impact Assessments

4. SANRAL Masekwaspoort N1 Road Upgrade BAR and Quarry S&EIAR Authorisation, Musina, Limpopo Province (2018–)
   - Mapping, PPP, Reporting

5. SANRAL Zandkraal-Winburg N1 Road Upgrade Quarry S&EIR Authorisation, Winburg, Free State Province. (2018–)
   - Mapping, PPP, Reporting

Environmental Auditing

6. SANRAL Hendrina N11 Road Upgrade ECO Audits, Hendrina, Mpumalanga Province (2018–2019)
   - ECO, Reporting

7. South African National Biodiversity Institute (SANBI) Office Complex Development, Pretoria, Gauteng Province (2018)
   - ECO, Reporting

Resettlement Action Plan (RAP) Auditing

8. Millennium Challenge Account Malawi (MCA-M) RAP Audits (2018–2019)
   - Database support, Auditor, Training, Assistant Reporting
9. Malawi Millennium Development (MMD) Trust RAP Audits (2019)
   - Database manager, Auditor, Training

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

AIDAN GOUWS

Date: October 2019

3. Declaration by Specialist

I, Aidan Gouws (Name of Specialist) of CES Environmental and Social Advisory Services (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **st, PPP, Reportings furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Signature of the specialist

CES Environmental and Social Advisory Services

Name of company (if applicable)

11/07/2019

Date

Signature of the Commissioner of Oaths

11/07/2019 Natasha Sewpersad

Date

Designation

Official stamp:

Natasha Sewpersad
Commissioner of Oaths (RSA)
Non-Practicing Attorney
1 Osborn Lane
EOH Business Park, Bedfordview

AG

APPENDIX F-2: Details and expertise of Geotechnical Specialist and Declaration of Interest

dedect
Department:
Economic Development, Environment, Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka &
Stadium Rd
Private Bag X2039
MMABATHO 2735
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CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Enquiries: Ouma Skosana
Tel: +27 (18) 389 5156
Email: oskosana@nwpg.gov.za
Fax: +27(18) 384 0104

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

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NEAS Reference Number:	
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Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) KORT AND BUITEN STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Type of Specialist:	Geotechnical Investigation – Engineering Geologist		
Company Name:	SRK Consulting		
Contact person:	Brent Cock		
Postal address:	PO Box 21842		
Postal code:	6000	Cell:	084 603 0543
Telephone:	041 509 4800	Fax:	041 509 4850
E-mail:	bcock@srk.co.za		
Professional affiliation(s) (if any)	SACNASP: Pr.Sci.Nat 400207/10		

Project Consultant:	CES - Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	70 Regency Drive, Route 21 Business Park, Centurion		
Postal code:	0178	Cell:	
Telephone:	010 045 1372	Fax:	
E-mail:	a.gouws@cesnet.co.za		

2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

See attached CV

Brent Cock

Principal Engineering Geologist

Profession	Engineering Geologist
Education	MEng, Geotechnical Engineering, University of Cape Town, South Africa, 2016 - ongoing MSc, Structural Geology, University of Port Elizabeth, South Africa, 2004 BSc (Hons), Geology & Zoology, University of Port Elizabeth, South Africa, 2002 BSc, Geology & Zoology, UPE University of Port Elizabeth, South Africa, 2001
Registrations/ Affiliations	Pr Sci Nat, Earth Science and Geological Science (South Africa), 400207/10
Awards	Golden Key International Honour Society Award for Academic Achievement, 2002

Specialisation

Near surface soft engineering (soil) projects to hard rock engineering projects including lithostructural mapping and geological investigations.

Expertise

Brent Cock has been involved in the field of exploration geology and engineering geology for the past 15 years. His expertise includes:

- lithostructural mapping;
- geological, geotechnical core and rock chips logging and sampling including supervision;
- geochemical and stream sediment sampling;
- ground investigations for subsidy housing (in accordance with NHBRC guidelines), road upgrades, pipelines, earth dams, warehouses, buildings of masonry construction, cemeteries, waste water treatment works, renewable energy projects (solar and windfarms) and nuclear sites.

Employment

2017 – present	SRK Consulting (Pty) Ltd, Principal Engineering Geologist, Port Elizabeth
2011 – 2016	SRK Consulting (Pty) Ltd, Senior Engineering Geologist, Port Elizabeth
2007 – 2011	SRK Consulting (Pty) Ltd, Engineering Geologist, Port Elizabeth
2004 – 2007	MSA Geoservices, Exploration Geologist, Johannesburg

Publications

Society for Asphalt Technology workshop on Understanding Aggregates – Geological Aspects of Aggregates (on behalf of Robert Leyland), Port Elizabeth, 14 March 2019

Languages

English – read, write, speak (Excellent)

Afrikaans – read (Good), write (Fair), speak (Poor).

Brent Cock

Principal Engineering Geologist

Presentations

LEYLAND, R., COCK, B.F. (2019) Society for Asphalt Technology workshop on Understanding Aggregates – Geological Aspects of Aggregates.

Brent Cock

Principal Engineering Geologist

Key Experience: Geology & resources

Structure & Alteration

- Lithostructural mapping project completed in DRC.

Exploration Management

- Exploration drilling, resource drilling, stream sediment sampling and geological exploration projects completed within Botswana, DRC, South Africa and Zambia.

Key Experience: Geotechnics

Geotechnical Investigations
Upgrades to existing structures, excavation assessments etc.
Causeways, pedestrian, district road and national road bridges.
Single to multi-storey structures.
Cemeteries.
Earth (storm water) dams including material assessment.
Industrial and commercial developments including renewable energy (solar, wind, biofuels) as well as nuclear.
NHBRC Preliminary & Phase 1 Housing.
Landfill.
Bulk water supply, sewer and return effluent pipelines.
Urban, local and district municipality road upgrades including borrow pit and quarries.
Reservoirs.
Slope stability (existing, new and revetments).
Wastewater and / or Water Treatment Works.
Artificial wetlands.
Construction Quality Assurance

- Construction supervision for two industrial automotive plants in Port Elizabeth

Key Experience: Tailings, heap leach & waste management

Tailings & Waste Rock

- Two tailings storage facilities (TSF's) project completed in DRC

3. Declaration by Specialist

I, Brent Cook (Name of Specialist) of SRK Consulting (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

pp.

Signature of the specialist

SRK Consulting (Pty) Ltd.

Name of company (if applicable)

10/05/2019

Date

717225241

Signature of the Commissioner of Oaths

2019-10-09

Date

constable

Designation

Official stamp:

SUID-AFRIKAANSE POLISIEDIENS
STASIEKOMMISSARIS
HUMEWOOD
2019 -05- 10
STATION COMMISSIONER
HUMEWOOD
SOUTH AFRICAN POLICE SERVICE

APPENDIX F-3: Details and expertise of Heritage Specialist and Declaration of Interest

dedect
Department:
Economic Development, Environment, Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka &
Stadium Rd
Private Bag X2039
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CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Enquiries: Ouma Skosana
Tel: +27 (18) 389 5156
Email: oskosana@nwpg.gov.za
Fax: +27(18) 384 0104

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
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NEAS Reference Number:	
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) KORT AND BUITEN STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Type of Specialist:	Heritage		
Company Name:	CTS Heritage		
Contact person:	Jenna Lavin		
Postal address:	34 Harries Street, Plumstead		
Postal code:	7800	Cell:	083 619 0854
Telephone:	087 073 5739	Fax:	NA
E-mail:	jenna.lavin@ctsheritage.com		
Professional affiliation(s) (if any)	ASAPA, APHP		

Project Consultant:	CES - Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	70 Regency Drive, Route 21 Business Park, Centurion		
Postal code:	0178	Cell:	
Telephone:	010 045 1372	Fax:	
E-mail:	a.gouws@cesnet.co.za		

2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

See attached CV

CURRICULUM VITAE

Jenna Lavin

Tel: 083 619 0854 (c)
E-mail address: jenna.lavin@ctsheritage.com
ID number: 8512050014089

Address: 103 D'Urban St, Bothasig, Cape Town

EDUCATION:

Tertiary

2014	M.Phil in Conservation of the Built Environment (University of Cape Town) - Not completed as of 2019
2011	Continued Professional Development Course in Urban Conservation Management (University of Cape Town) Part I and Part II
2010	M.Sc. with Distinction in Archaeology (University of Cape Town) Title: *Palaeoecology of the KBS member of the Koobi Fora Formation: Implications for Pleistocene Hominin Behaviour.*
2007	B.Sc. Honours in Archaeology (University of Cape Town) Title: *The Lost Tribes of the Peninsula: An Investigation into the historical distribution of Chacma baboons (Papio ursinus) at the Cape Peninsula, South Africa.* Koobi Fora Field School, Rutgers University (U.S.A.)/ National Museums of Kenya
2006	B.Sc. Archaeology (University of Cape Town) B.Sc. Environmental and Geographic Science (University of Cape Town)

Secondary

1999-2003	Rustenburg High School for Girls Firsts in English, Afrikaans, Mathematics HG, Biology HG, History HG, Entrepreneurship.

EMPLOYMENT HISTORY:

PROFESSIONAL DEVELOPMENT
Environmental and Heritage Management:

- **Director: Heritage for CTS heritage and member of OpenHeritage NPC.**

July 2016 to present

I am a member of the senior management of the company. I am responsible for project management and quality control on all of our heritage-related projects. I provide specialist heritage expertise when required and assist with the drafting of management plans, NIDs, heritage impact assessments and other specialist heritage reports. I liaise with clients, authorities and other specialists to ensure the highest quality product from CTS Heritage. I manage the budgets and financial compliance for all our projects and for the business in general.

We have recently been involved in developing the online map for the National Resistance and Liberation Heritage Route with DAC, contributing to the Stellenbosch Municipal Heritage Survey

among other large-scale projects. In addition, in 2018 we completed over 100 HIA's and Heritage Screening Assessments across South Africa.

Through OpenHeritage, I have been intimately involved with the development, and successful implementation of a digital heritage objects management system for the National Museum in Kenya as well as Tristan da Cuhna. We are in the process of rolling out the same system to the new Lesotho National Museum.

- **Assistant Director for Policy, Research and Planning at Heritage Western Cape (HWC).**

August 2014 to June 2016

As a member of the management structure of HWC, I was responsible for the drafting of new heritage related policy, the grading and declaration of Provincial Heritage Sites, the development of Conservation Management Plans, facilitating the development of inventories of heritage resources through local authorities as well as managing the development of the Western Cape's Heritage Information Management System (HIMS). I was also responsible for managing the project to nominate the Modern Human Origins proposed World Heritage Site.

I performed the role of Acting Deputy Director for HWC from April to December 2015, including financial management responsibilities, problem solving and the training of new staff.

- **Heritage Officer for Palaeontology and for the Mpumalanga Province at the South African Heritage Resources Agency (SAHRA).**

January 2013 to June 2014

Responsibilities include managing palaeontological permit applications in terms of Section 35 of the NHRA and development applications in terms of Section 38 of the NHRA. Projects included the development of a National Palaeotechnic Report identifying significant palaeontological deposits throughout SA, as well as developing professional relationships between SAHRA and the Palaeontological Society of South Africa (PSSA) and the Geological Society of South Africa (GSSA). During this time, I was part of the team that developed the digitised National Palaeontological Sensitvity Map, the first of its kind in the world.

- **Heritage Officer for Archaeology, Palaeontology and Meteorites at Heritage Western Cape (HWC).**

September 2010 to December 2012

HWC is a Public Entity that forms part of the Heritage Resource Management Component of the Provincial Governments' Department of Cultural Affairs and Sport (DCAS). Projects included the declaration of Pinnacle Point and the West Coast Fossil Park as Provincial Heritage Sites (PHSs), the management of the development of the Baboon Point PHS Conservation Management Plan as well as an educational outreach program as part of the DCAS MOD Centre Project.

- **Heritage Officer for the Archaeology, Palaeontology and Meteorites Unit of the South African Heritage Resources Agency (SAHRA) as part of a three month contract.**

January 2010 to March 2010

- **Environmental Control Officer, Amathemba Environmental Management Consulting**

Part time: 2007 to 2009

Field Work Experience:

2016-present	Various archaeological field assessments for specialist archaeological assessments and heritage impact assessments
2010-2016	Various archaeological field assessments on behalf of HWC and SAHRA
2008-2009	Field Assistant, Dr. D. Braun, Elandsfontein Excavation Locality, University of Cape Town (UCT)
	Field Assistant, Dr. D. Braun, Koobi Fora Research Project (Kenya), Rutgers University, New Jersey
2006	Field Assistant, Damiana Ravasi (PhD), Zoology Department, University of Cape Town.
2005	Research Assistant, Dr. Becky Ackerman, Archaeology Department, University of Cape Town
2004	Field Assistant, Prestwich Place Excavation Locality, Archaeology Contracts Office, UCT

Teaching Positions:

2019	Guest Lecturer, Introduction to South African Heritage Legislation, UCT MPhil: Conservation of the Built Environment
2017	Guest Lecturer, South African Heritage Legislation, George Washington University Heritage Management Field School
2016	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2015	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2014	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2013	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2010	Teaching Assistant, Langebaanweg Field School, Arizona State University
2009	Demonstrator, Archaeology in Practice, University of Cape Town (AGE3013H)
	Demonstrator, Introduction to Geography, Earth and Environmental Science, University of Cape Town (GEO1009F)
	Teaching Assistant, Koobi Fora Field School (Kenya), Rutgers University, New Jersey
	Lecturer, Introduction to Geography, Earth and Environmental Science: Supplementary Course, University of Cape Town (EGS1004S)
	Demonstrator, Elandsfontein Honours Field School, University of Cape Town (AGE4000W)
2008	Demonstrator, Introduction to Geography, Earth and Environmental Science, University of Cape Town (ERT1000F)
	Demonstrator, Elandsfontein Honours Field School, University of Cape Town (AGE4000W)
	Teaching Assistant, Koobi Fora Field School (Kenya), Rutgers University, New Jersey

Conferences and Papers

2017	ASAPA, Pretoria, RSA: "*Using Heritage Data to Guide Responsible Development: Tools to ensure high quality recording of heritage sites*"
	ICAHM, Bagomoyo, Tanzania: "*OpenHeritage: Development and implementation of national heritage management systems - Lessons from South Africa, Namibia and Kenya*"
2016	ICAHM, Salalah, Oman: "*Straight to the (Baboon) Point: A look at the Conservation of Archaeological Landscapes in South Africa using Baboon Point as a Case Study*"
2015	Leakey Foundation, Sonoma County, San Fransisco, USA: ""*Straight to the (Baboon) Point: A look at the Conservation of Archaeological Landscapes in South Africa using Baboon Point as a Case Study*"
2012	PSSA, Johannesburg, RSA: "*SAHRIS Palaeosensitivity Map - Methodology and Implementation*"

Other

In 2013 I was asked to join the panel of judges for the Ministerial awards for Heritage in the Western Cape. From 2013 to July 2014, I was a member of the Heritage Western Cape Archaeology, Palaeontology and Meteorites Committee and I currently sit on the Heritage Western Cape Inventories, Gradings and Interpretations Committee.

In November 2013, I was awarded a bursary from the Department of Arts and Culture to complete a Masters in Philosophy in Conservation of the Built Environment through the UCT Faculty of Engineering and the Built Environment in 2014 and 2015. I was in the process of finalising this degree in 2017, however the arrival of my son has temporarily halted my progress.

I am a paid up member of the Association for Southern African Professional Archaeologists (ASAPA), the Association of Professional Heritage Practitioners (APHP) and I have been a member of the Executive Council of APHP since 2014.

In June 2017, I was selected as Chair of APHP. I am a member of the Palaeontological Society of South Africa (PSSA) and ICOMOS South Africa, for which I am Vice-President of the Board. I am also a member of the International Committee for Archaeological Heritage Management (ICAHM), a committee of UNESCO.

I am an active participant in a not-for-profit company called OpenHeritage which is dedicated to opening access to heritage resources through digital innovation. To this end, we have been involved in a number of projects including Wikipeadia Training with Africa Centre, the development and implementation of a Collections Management System for the National Museums of Kenya and the development of a digital Inventory of the Vernacular Architecture of the Eastern Cape.

Referees

Mary Leslie
mleslie.za@gmail.com
082 733 2611

Laura Robinson
ctht@hertage.org.za
083 463 4765

Wendy Black
wblack@iziko.org.za
021 481 3883

Janette Deacon
janette@conjunction.co.za
082 491 5067

Andrew Hall
waitabout191@gmail.com
(Currently based in Oman)

3. **Declaration by Specialist**

I, JENNA LAVIN (Name of Specialist) of CTS HERITAGE (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Signature of the specialist

CTS HERITAGE

Name of company (if applicable)

24/04/2019

Date

HENDRIK TALJAARD
04540913 INSP

Signature of the Commissioner of Oaths

2019/4/24

Date

SAPS.

Designation

Official stamp:

SUID-AFRIKAANSE POLISIEDIENS
MIO
BOTHASIG
24 APR 2019
MIO
BOTHASIG
SOUTH AFRICAN POLICE SERVICE

read
Department:
Rural, Environment and Agricultural Development
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka
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Private Bag X2039,
Mmabatho 2735
Republic of South Africa

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES

DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Tel: +27 (18) 389 5156
Fax: 086 507 6333
E-mail: oskosana@nwpg.gov.za

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

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PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) BERG AND DROOGE STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Type of Specialist:	Ecological		
Company Name:	CES Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	1 Osborne Lane, Bedfordview, Johannesburg		
Postal code:	2007	Cell:	.072 774 1188
Telephone:	011 479 8956	Fax:	011 616 9929
E-mail:	a.gouws@cesnet.co.za		
Professional affiliation(s) (if any)	SACNASP (Candidate Natural Scientist – registration pending); IAIASA		

Project Consultant:	CES Environmental and Social Advisory Services (CES)		
Contact person:	Aidan Gouws		
Postal address:	1 Osborne Lane, Bedfordview, Johannesburg		
Postal code:	2007	Cell:	072 774 1188
Telephone:	011 479 8956	Fax:	011 616 9929
E-mail:	a.gouws@cesnet.co.za		

B AG

2. **Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)**

AIDAN JOHN GOUWS

Curriculum Vitae

CONTACT DETAILS

Name of Company	**CES – Environmental and Social Advisory Services**
Designation	Johannesburg Branch
Profession	Environmental Consultant
Years with firm	1
E-mail	aidan.gouws@eoh.com a.gouws@cesnet.co.za
Office number	+27 (0)11 479 8956
Nationality	South African
Key areas of expertise	➢ Environmental Authorisation ➢ GIS ➢ Ecological Studies ➢ Database management

PROFILE

Mr Aidan Gouws

Aidan obtained his MSc in Environmental Science (*Cum laude*) from Rhodes University, having conducted research on the spatio-temporal dynamics of *Acacia dealbata* invasions and broader land-use and cover changes in the northern Eastern Cape, funded through a study bursary awarded by the Agricultural Research Council (ARC). Prior to this, he obtained his BSc Honours in Geographical and Environmental Sciences (*Cum laude*) from the University of Pretoria, studying plant ecology and EIA methodology amongst others. He is also member of the Golden Key Honours Society. Aidan joined CES in 2018 and has been involved in several projects, including Basic Assessments, Full Scoping and Environmental Impact Assessments, Environmental Audits and Resettlement Action Plan (RAP) Audit. He works from the Johannesburg office and his interests include the general Environmental Impact Assessment (EIA) process, GIS mapping, ecological studies and the Public Participation Process (PPP).

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EMPLOYMENT EXPERIENCE	**Environmental Consultant,** CES – Environmental and Social Advisory Services *July 2018 – current* ➢ Responsible for conducting a range of environmental studies in the broad fields of Environmental Impact Assessment and Environmental Management. ➢ Sourcing small to medium projects by preparing proposals under supervision. ➢ Taking responsibility for Basic Assessments, and small projects under the guidance and supervision of a more senior staff member. ➢ Taking responsibility for specialist ecological, database management and GIS tasks when required **Volunteer,** Khulisa Social Solutions *May 2018 – July 2018* ➢ Responsible for refining the organisational participatory research and intervention methodology guidelines. **Departmental tutor,** Department of Environmental Science, Rhodes University *January 2016 – December 2017* ➢ General assistance: helping staff and fellow post-graduate students with GIS- and statistics-related queries. ➢ Demonstrator: assistance with undergraduate environmental science practical sessions and marking of practical reports. **Demonstrator,** Department of Plant Science, University of Pretoria *July 2015 – December 2015* ➢ Assisting third year students in practical plant identification using dichotomous keys and family recognition by diagnostic reproductive and vegetative characters
ACADEMIC QUALIFICATIONS	**Rhodes University, Grahamstown,** Eastern Cape. ➢ M.Sc. Environmental Science (*Cum laude*) *January 2016 – January 2018* **University of Pretoria, Pretoria**, Gauteng. ➢ B.Sc. Hons. Geographical and Environmental Sciences (*Cum laude*) *January 2015 – December 2015* **University of Pretoria, Pretoria**, Gauteng ➢ B.Sc. Environmental Sciences (*Cum laude*) *January 2012 – December 2014*
PUBLICATIONS	➢ Gouws, A. J., & Shackleton, C. M. (2019). A spatio-temporal, landscape perspective on *Acacia dealbata* invasions and broader land use and cover changes in the northern Eastern Cape, South Africa. Environmental Monitoring and Assessment, 191(2), 74. ➢ Gouws, A. J., & Shackleton, C. M. (2019). Abundance and correlates of the *Acacia dealbata* invasion in the northern Eastern Cape, South Africa. Forest Ecology and Management, 432, 455-466.
MEMBERSHIPS	➢ Golden Key International Honour Society – University of Pretoria Chapter.

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CONSULTING EXPERIENCE	***Basic Assessments*** 1. Ramotshere Moiloa Local Municipality Township Development on the Corner of Berg and Drooge Street, Zeerust, North West Province (2019) ▪ Project manager, Ecological Specialist, PPP, Reporting 2. Ramotshere Moiloa Local Municipality Township Development on the Corner of Kort and Buiten Street, Zeerust, North West Province (2019) ▪ Project manager, Ecological Specialist, PPP, Reporting 3. SANRAL Koster N52 Road Upgrade, Koster, North West Province (2018/2019) ▪ Mapping, PPP, Reporting ***Full Scoping and Environmental Impact Assessments*** 4. SANRAL Masekwaspoort N1 Road Upgrade BAR and Quarry S&EIAR Authorisation, Musina, Limpopo Province (2018/2019) ▪ Mapping, PPP, Reporting 5. SANRAL Zandkraal-Winburg N1 Road Upgrade Quarry S&EIR Authorisation, Winburg, Free State Province. (2018/2019) ▪ Mapping, PPP, Reporting ***Environmental Auditing*** 6. SANRAL Hendrina N11 Road Upgrade ECO Audits, Hendrina, Mpumalanga Province (2018/2019) ▪ ECO, Reporting 7. South African National Biodiversity Institute (SANBI) Office Complex Development, Pretoria, Gauteng Province (2018) ▪ ECO, Reporting ***Resettlement Action Plan (RAP) Auditing*** 8. Millennium Challenge Account Malawi (MCA-M) RAP Audits (2018/2019) ▪ Database support, Auditor, Training, Assistant Reporting 9. Malawi Millennium Development (MMD) Trust RAP Audits (2019) ▪ Database manager, Auditor, Training

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

AIDAN GOUWS Date: June 2019

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3. Declaration by Specialist

I, Aidan Gouws (Name of Specialist) of CES Environmental and Social Advisory Services (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Signature of the specialist

CES Environmental and Social Advisory Services
Name of company (if applicable)

11/07/2019
Date

Signature of the Commissioner of Oaths

Natasha Sewpersad
Date

11/07/19

Designation

Official stamp:

Natasha Sewpersad
Commissioner of Oaths (RSA)
Non-Practicing Attorney
1 Osborn Lane
EOH Business Park, Bedfordview

read
Department:
Rural, Environment and Agricultural Development
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka and Stadium Rd
Private Bag X2039,
Mmabatho 2735
Republic of South Africa
Tel: +27 (18) 389 5156
Fax: +27(18) 384 0104
E-mail:oskosana@nwpg.gov.za

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES

DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	
NEAS Reference Number:	
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) BERG AND DROOGE STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Specialist:	Geotechnical Investigation – Engineering Geologist		
Contact person:	Brent Cock		
Postal address:	P O Box 21842		
Postal code:	6000	Cell:	084 603 0543
Telephone:	041-509 4800	Fax:	041-509 4850
E-mail:	bcock@srk.co.za		
Professional affiliation(s) (if any)	SACNASP: Pr.Sci.Nat 400207/10		

Project Consultant:	CES - Environmental and Social Advisory Services		
Contact person:	Aidan Gouws		
Postal address:	1 Osborne Lane, Bedfordview, Johannesburg		
Postal code:	2007	Cell:	
Telephone:	+27 11 479 8956	Fax:	+27 11 616 9929
E-mail:	a.gouws@cesnet.co.za		

2. **Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)**

See attached CV

Brent Cock

Principal Engineering Geologist

Profession	Engineering Geologist
Education	MEng, Geotechnical Engineering, University of Cape Town, South Africa, 2016 - ongoing MSc, Structural Geology, University of Port Elizabeth, South Africa, 2004 BSc (Hons), Geology & Zoology, University of Port Elizabeth, South Africa, 2002 BSc, Geology & Zoology, UPE University of Port Elizabeth, South Africa, 2001
Registrations/ Affiliations	Pr Sci Nat, Earth Science and Geological Science (South Africa), 400207/10
Awards	Golden Key International Honour Society Award for Academic Achievement, 2002

Specialisation

Near surface soft engineering (soil) projects to hard rock engineering projects including lithostructural mapping and geological investigations.

Expertise

Brent Cock has been involved in the field of exploration geology and engineering geology for the past 15 years. His expertise includes:

- lithostructural mapping;
- geological, geotechnical core and rock chips logging and sampling including supervision;
- geochemical and stream sediment sampling;
- ground investigations for subsidy housing (in accordance with NHBRC guidelines), road upgrades, pipelines, earth dams, warehouses, buildings of masonry construction, cemeteries, waste water treatment works, renewable energy projects (solar and windfarms) and nuclear sites.

Employment

2017 – present	SRK Consulting (Pty) Ltd, Principal Engineering Geologist, Port Elizabeth
2011 – 2016	SRK Consulting (Pty) Ltd, Senior Engineering Geologist, Port Elizabeth
2007 – 2011	SRK Consulting (Pty) Ltd, Engineering Geologist, Port Elizabeth
2004 – 2007	MSA Geoservices, Exploration Geologist, Johannesburg

Publications

Society for Asphalt Technology workshop on Understanding Aggregates – Geological Aspects of Aggregates (on behalf of Robert Leyland), Port Elizabeth, 14 March 2019

Languages

English – read, write, speak (Excellent)

Afrikaans – read (Good), write (Fair), speak (Poor).

Brent Cock

Principal Engineering Geologist

Presentations

LEYLAND, R., COCK, B.F. (2019) Society for Asphalt Technology workshop on Understanding Aggregates – Geological Aspects of Aggregates.

Brent Cock

Principal Engineering Geologist

Key Experience: Geology & resources

Structure & Alteration

- Lithostructural mapping project completed in DRC.

Exploration Management

- Exploration drilling, resource drilling, stream sediment sampling and geological exploration projects completed within Botswana, DRC, South Africa and Zambia.

Key Experience: Geotechnics

Geotechnical Investigations
Upgrades to existing structures, excavation assessments etc.
Causeways, pedestrian, district road and national road bridges.
Single to multi-storey structures.
Cemeteries.
Earth (storm water) dams including material assessment.
Industrial and commercial developments including renewable energy (solar, wind, biofuels) as well as nuclear.
NHBRC Preliminary & Phase 1 Housing.
Landfill.
Bulk water supply, sewer and return effluent pipelines.
Urban, local and district municipality road upgrades including borrow pit and quarries.
Reservoirs.
Slope stability (existing, new and revetments).
Wastewater and / or Water Treatment Works.
Artificial wetlands.
Construction Quality Assurance

- Construction supervision for two industrial automotive plants in Port Elizabeth

Key Experience: Tailings, heap leach & waste management

Tailings & Waste Rock

- Two tailings storage facilities (TSF's) project completed in DRC

3. Declaration by Specialist

I, Brent Cock (Name of Specialist) of SRK Consulting (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Signature of the specialist

SRK Consulting (Pty) Ltd.

Name of company (if applicable)

10/05/2019

Date

Signature of the Commissioner of Oaths

2019-05-10

Date

constable.

Designation

Official stamp:

SUID-AFRIKAANSE POLISIEDIENS
STASIEKOMMISSARIS
HUMEWOOD
2019 -05- 10
STATION COMMISSIONER
HUMEWOOD
SOUTH AFRICAN POLICE SERVICE

read
Department:
Rural, Environment and Agricultural Development
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

AgriCentre Building
Cnr. Dr. James Moroka
& Stadium Rd
Private Bag X2039,
Mmabatho 2735
Republic of South Africa

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Tel: +27 (18) 389 5156
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E-mail:oskosana@nwpg.gov.za

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	
NEAS Reference Number:	
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RAMOTSHERE MOILOA LOCAL MUNICIPALITY (RMLM) BERG AND DROOGE STREET RESIDENTIAL EXTENSION, ZEERUST, NORTH WEST

1. Details of Specialist

Type of Specialist:	Heritage		
Company Name:	CTS Heritage		
Contact person:	Jenna Lavin		
Postal address:	34 Harries Street, Plumstead		
Postal code:	7800	Cell:	083 619 0854
Telephone:	087 073 5739	Fax:	NA
E-mail:	jenna.lavin@ctsheritage.com		
Professional affiliation(s) (if any)	ASAPA, APHP		

Project Consultant:	CES - Environmental and Social Advisory Services		
Contact person:	Aidan Gouws		
Postal address:	1 Osborne Lane, Bedfordview, Johannesburg, 2007		
Postal code:	2007	Cell:	
Telephone:	+27 11 479 8956	Fax:	+27 11 616 9929
E-mail:	a.gouws@cesnet.co.za		

2. **Expertise of the Specialist including Curriculum vItae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)**

See attached CV

CURRICULUM VITAE

Jenna Lavin

Tel: 083 619 0854 (c)
E-mail address: jenna.lavin@ctsheritage.com
ID number: 8512050014089

Address: 103 D'Urban St, Bothasig, Cape Town

EDUCATION:

Tertiary

2014	M.Phil in Conservation of the Built Environment (University of Cape Town) - Not completed as of 2019
2011	Continued Professional Development Course in Urban Conservation Management (University of Cape Town) Part I and Part II
2010	M.Sc. with Distinction in Archaeology (University of Cape Town) Title: *Palaeoecology of the KBS member of the Koobi Fora Formation: Implications for Pleistocene Hominin Behaviour.*
2007	B.Sc. Honours in Archaeology (University of Cape Town) Title: *The Lost Tribes of the Peninsula: An Investigation into the historical distribution of Chacma baboons (Papio ursinus) at the Cape Peninsula, South Africa.* Koobi Fora Field School, Rutgers University (U.S.A.)/ National Museums of Kenya
2006	B.Sc. Archaeology (University of Cape Town) B.Sc. Environmental and Geographic Science (University of Cape Town)

Secondary

1999-2003	Rustenburg High School for Girls Firsts in English, Afrikaans, Mathematics HG, Biology HG, History HG, Entrepreneurship.

EMPLOYMENT HISTORY:

PROFESSIONAL DEVELOPMENT
Environmental and Heritage Management:

- **Director: Heritage for CTS heritage and member of OpenHeritage NPC.**

July 2016 to present

I am a member of the senior management of the company. I am responsible for project management and quality control on all of our heritage-related projects. I provide specialist heritage expertise when required and assist with the drafting of management plans, NIDs, heritage impact assessments and other specialist heritage reports. I liaise with clients, authorities and other specialists to ensure the highest quality product from CTS Heritage. I manage the budgets and financial compliance for all our projects and for the business in general.

We have recently been involved in developing the online map for the National Resistance and Liberation Heritage Route with DAC, contributing to the Stellenbosch Municipal Heritage Survey

among other large-scale projects. In addition, in 2018 we completed over 100 HIA's and Heritage Screening Assessments across South Africa.

Through OpenHeritage, I have been intimately involved with the development, and successful implementation of a digital heritage objects management system for the National Museum in Kenya as well as Tristan da Cuhna. We are in the process of rolling out the same system to the new Lesotho National Museum.

- **Assistant Director for Policy, Research and Planning at Heritage Western Cape (HWC).**

August 2014 to June 2016

As a member of the management structure of HWC, I was responsible for the drafting of new heritage related policy, the grading and declaration of Provincial Heritage Sites, the development of Conservation Management Plans, facilitating the development of inventories of heritage resources through local authorities as well as managing the development of the Western Cape's Heritage Information Management System (HIMS). I was also responsible for managing the project to nominate the Modern Human Origins proposed World Heritage Site.

I performed the role of Acting Deputy Director for HWC from April to December 2015, including financial management responsibilities, problem solving and the training of new staff.

- **Heritage Officer for Palaeontology and for the Mpumalanga Province at the South African Heritage Resources Agency (SAHRA).**

January 2013 to June 2014

Responsibilities include managing palaeontological permit applications in terms of Section 35 of the NHRA and development applications in terms of Section 38 of the NHRA. Projects included the development of a National Palaeotechnic Report identifying significant palaeontological deposits throughout SA, as well as developing professional relationships between SAHRA and the Palaeontological Society of South Africa (PSSA) and the Geological Society of South Africa (GSSA). During this time, I was part of the team that developed the digitised National Palaeontological Sensitvity Map, the first of its kind in the world.

- **Heritage Officer for Archaeology, Palaeontology and Meteorites at Heritage Western Cape (HWC).**

September 2010 to December 2012

HWC is a Public Entity that forms part of the Heritage Resource Management Component of the Provincial Governments' Department of Cultural Affairs and Sport (DCAS). Projects included the declaration of Pinnacle Point and the West Coast Fossil Park as Provincial Heritage Sites (PHSs), the management of the development of the Baboon Point PHS Conservation Management Plan as well as an educational outreach program as part of the DCAS MOD Centre Project.

- **Heritage Officer for the Archaeology, Palaeontology and Meteorites Unit of the South African Heritage Resources Agency (SAHRA) as part of a three month contract.**

January 2010 to March 2010

- **Environmental Control Officer, Amathemba Environmental Management Consulting**

Part time: 2007 to 2009

Field Work Experience:

2016-present	Various archaeological field assessments for specialist archaeological assessments and heritage impact assessments
2010-2016	Various archaeological field assessments on behalf of HWC and SAHRA
2008-2009	Field Assistant, Dr. D. Braun, Elandsfontein Excavation Locality, University of Cape Town (UCT)
	Field Assistant, Dr. D. Braun, Koobi Fora Research Project (Kenya), Rutgers University, New Jersey
2006	Field Assistant, Damiana Ravasi (PhD), Zoology Department, University of Cape Town.
2005	Research Assistant, Dr. Becky Ackerman, Archaeology Department, University of Cape Town
2004	Field Assistant, Prestwich Place Excavation Locality, Archaeology Contracts Office, UCT

Teaching Positions:

2019	Guest Lecturer, Introduction to South African Heritage Legislation, UCT MPhil: Conservation of the Built Environment
2017	Guest Lecturer, South African Heritage Legislation, George Washington University Heritage Management Field School
2016	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2015	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2014	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2013	Guest Lecturer, South African Heritage Legislation, Archaeology Honours Course, University of Cape Town
2010	Teaching Assistant, Langebaanweg Field School, Arizona State University
2009	Demonstrator, Archaeology in Practice, University of Cape Town (AGE3013H)
	Demonstrator, Introduction to Geography, Earth and Environmental Science, University of Cape Town (GEO1009F)
	Teaching Assistant, Koobi Fora Field School (Kenya), Rutgers University, New Jersey
	Lecturer, Introduction to Geography, Earth and Environmental Science: Supplementary Course, University of Cape Town (EGS1004S)
	Demonstrator, Elandsfontein Honours Field School, University of Cape Town (AGE4000W)
2008	Demonstrator, Introduction to Geography, Earth and Environmental Science, University of Cape Town (ERT1000F)
	Demonstrator, Elandsfontein Honours Field School, University of Cape Town (AGE4000W)
	Teaching Assistant, Koobi Fora Field School (Kenya), Rutgers University, New Jersey

Conferences and Papers

2017	ASAPA, Pretoria, RSA: "*Using Heritage Data to Guide Responsible Development: Tools to ensure high quality recording of heritage sites*"
	ICAHM, Bagomoyo, Tanzania: "*OpenHeritage: Development and implementation of national heritage management systems - Lessons from South Africa, Namibia and Kenya*"
2016	ICAHM, Salalah, Oman: "*Straight to the (Baboon) Point: A look at the Conservation of Archaeological Landscapes in South Africa using Baboon Point as a Case Study*"
2015	Leakey Foundation, Sonoma County, San Fransisco, USA: ""*Straight to the (Baboon) Point: A look at the Conservation of Archaeological Landscapes in South Africa using Baboon Point as a Case Study*"
2012	PSSA, Johannesburg, RSA: "*SAHRIS Palaeosensitivity Map - Methodology and Implementation*"

Other

In 2013 I was asked to join the panel of judges for the Ministerial awards for Heritage in the Western Cape. From 2013 to July 2014, I was a member of the Heritage Western Cape Archaeology, Palaeontology and Meteorites Committee and I currently sit on the Heritage Western Cape Inventories, Gradings and Interpretations Committee.

In November 2013, I was awarded a bursary from the Department of Arts and Culture to complete a Masters in Philosophy in Conservation of the Built Environment through the UCT Faculty of Engineering and the Built Environment in 2014 and 2015. I was in the process of finalising this degree in 2017, however the arrival of my son has temporarily halted my progress.

I am a paid up member of the Association for Southern African Professional Archaeologists (ASAPA), the Association of Professional Heritage Practitioners (APHP) and I have been a member of the Executive Council of APHP since 2014.

In June 2017, I was selected as Chair of APHP. I am a member of the Palaeontological Society of South Africa (PSSA) and ICOMOS South Africa, for which I am Vice-President of the Board. I am also a member of the International Committee for Archaeological Heritage Management (ICAHM), a committee of UNESCO.

I am an active participant in a not-for-profit company called OpenHeritage which is dedicated to opening access to heritage resources through digital innovation. To this end, we have been involved in a number of projects including Wikipeadia Training with Africa Centre, the development and implementation of a Collections Management System for the National Museums of Kenya and the development of a digital Inventory of the Vernacular Architecture of the Eastern Cape.

Referees

Mary Leslie
mleslie.za@gmail.com
082 733 2611

Laura Robinson
ctht@hertage.org.za
083 463 4765

Wendy Black
wblack@iziko.org.za
021 481 3883

Janette Deacon
janette@conjunction.co.za
082 491 5067

Andrew Hall
waitabout191@gmail.com
(Currently based in Oman)

3. **Declaration by Specialist**

I, JENNA LAVIN (Name of Specialist) of CTS HERITAGE (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Signature of the specialist

CTS HERITAGE

Name of company (if applicable)

24/04/2019

Date

HENDRIK TALJAARD
04540913 INSP

Signature of the Commissioner of Oaths

2019/4/24

Date

SAPS.

Designation

SUID-AFRIKAANSE POLISIEDIENS
MIO
BOTHASIG
24 APR 2019
MIO
BOTHASIG
SOUTH AFRICAN POLICE SERVICE

Official stamp: