**CURRICULUM VITAE**

**PERSONAL DETAILS**

Ms. Senwelo Mildred Isaacs

Date of Birth: 25th October 1978

Place of Birth: Ramotswa, Botswana

**EDUCATIONAL BACKGROUND**

* MPhil/PhD Environmental Science – University of Botswana
* MSc Environmental Science – University of Botswana
* Post Graduate Diploma in Education with Majors in Geography and History (University of Botswana, Faculty of Education)
* Bachelor of Arts Humanities – Majors in Environmental Science and Archaeology (University of Botswana, Faculty of Humanities; Department of History and Archaeology)

**Other trainings and accreditations include:**

* Certificate of Induction of New Staff Appointment & Returning Staff; Centre for Academic Development, University of Botswana
* Training on e-Learning Design and Assessment of Course – Moodle; Centre for Academic Development, University of Botswana
* Certificate on Grant Writing and Research Training, School of Medicine; University of Botswana
* Botswana Training Authority (BOTA) Accreditation in Full Registration as Trainer and Assessor (Occupational Health Safety and Environment; Geographic Information System and Remote Sensing; Environmental Science; Archaeology)
* Post Graduate Certificate in Geographic Information System (University of Botswana)
* Post Graduate Certificate in Health and Safety (Boitekanelo College, Botswana)
* Post Graduate Certificate in Public Policy, Governance and Leadership (Africa University & Open Society Initiative of Southern Africa; Sandton, South Africa).
* Certificate in Occupational Health and Safety (University of Botswana, Centre for Continuing Education)
* Private Consulting Archaeologist Registered with Department of National Museum Monuments
* Certificate Award for 1st Position in the Tertiary Category for a national essay competition on “Global Warming and Climate Change: Time to Act, 2006”, Department of Environmental Affairs, Gaborone Botswana

**WORK EXPERIENCE**

 **Lecturer – University of Botswana department of History Archaeology Unit (2014 to date)**

Responsibilities include: Teaching, supervision and examination of undergraduate and post graduate courses in the Department of History and Archeology, supervision of undergraduate research students, engage in field investigations and documentation, and research publications, attend board meetings and participate in the general management of the archaeology unit

 **Head of Department and Principal District Lands Officer - Ministry of Lands & Housing, Department of Lands seconded to Kweneng Land Board (2012 to 2014)**

Responsibilities included: Team Leader in Planning and Management of land in Kweneng District for Planning and Non Planning Areas, advising the Land Board- using GIS and RS outputs; Member of the District Council Technical Committee and Secretary for the Agriculture Resources Board, Member of the District Development Committee; District Economic Development Committee; Secretary of District Land Use Planning Unit; District Disaster Preparedness Team; liaising with Department of Wildlife & National Parks for rangeland and Wildlife Management Areas monitoring, consultation of stakeholders including local community, Village Development Committee and Village Extension Team; Technical Land Use Officer- KLB Adjudication Team on land conflicts at the Land Tribunal, Occupational Health Safety and Environment in the field & work place; design and manage departmental plans and budgets, and develop annual training plan for departmental staff; undertook staff Performance Management System Appraisals, Promotions and Transfers; maintaining the departmental staff

establishment register; undertaking any other duties as assigned by the Land Board Secretary and District Commissioner.

 **Senior Lands Officer – Ministry of Lands and Housing, Department of Town and Regional Planning, seconded to Tawana Land Board (2011 to date)**

Responsibilities included: Implementation of Sub-District Integrated Land Use Plans, Chair of the Okavango Sub District Land Use Plan Unit, Land Board Representative in USAid Okavango Delta Management Plan implementation team, monitoring and management of the Okavango Ramsar Site ISO 14001, stakeholder consultations (DVC, VET, NGO’s and local communities), land use monitoring of heritage resources (Tsodilo Hills, Gcwihaba & Koanaka); Member of the District Technical Team for the KAZA Cultural Tourism Regional Plan and reporting to the Principal Land Use Planner – Tawana Land Board and Gumare Sub Land Board Secretary

respectively.

 **Director, Principal Environmentalist/Archaeologist - Enviro-Arch Consultancy (2009 -2011)**

Responsibilities included: Liaising with Clients, preparation of pre-development EIA project proposals for tendering purposes, undertake environmental impact assessment, archaeological impact assessment, design archaeological/environmental management and monitoring plans, applications of remote sensing, environmental information systems and geographic information systems in development projects, carryout stakeholder consultations including the community, undertake site inspections, review development policies and legislative frameworks, undertake strategic environmental assessments, project manager for civil engineering and mining projects, contracts implementation and management, reporting to DEA and Botswana National Museum,

management of the project budgets, training and facilitation of Occupational Health Safety and Environment; Leadership & Governance; Risk Management and Customer Care at Level 3; management of Occupational Health Safety and Environment in the field, reporting on OHS incidents and actions, implementation of SHE Policy, ISO 14001 and OHSAS 18000, Training in Environmental Awareness ISO 14001 and OHSAS 18000.

 **Senior Environmental Specialists (HERBCO Technical Services PTY Ltd Civil Engineering, Environmental & Archaeological Consultants, Gaborone Botswana (2007-2009)**

Responsibilities included: Management of Occupational Health Safety and Environment in the field and office, prepare safety strategy documents, reporting on OHS incidents and actions, implementation of SHE Policy, and ISO 14001 and OHSAS 18000, prepare project proposals for tendering purposes, undertake preliminary field investigations, undertake archaeological/environmental impact assessment, strategic environmental assessment,

environmental project monitoring, design archaeological/environmental management plans, design and produce locational and thematic maps, undertake socio-economic and biophysical investigations, carryout stakeholder consultations including the community, advising in house Civil Engineers, Contractors and Client on heritage and environmental issues, undertake site inspections, review development policies and legislative frameworks concerning the development project, write reports and advise relevant departments, design safety and health

plans for Tender Documentation for Contractors, and liaise with DEA and Botswana National Museum.

 **Senior Teacher II - Ministry of Education, Department of Secondary Education (2006 – 2007)**

Responsibilities included: Teaching Social Studies; Coordinating the Social Studies Department, Member of PTA Board – Teacher Representative, Member of the South East Regional Cluster for Social Studies Examinations; Chair of the School Performance Management Committee for developing school policies, strategic plans and cascading to academic and support staff; Member of SE Regional Cluster Sports Committee and School Netball and under 16 Girls Athletics Coach.

 **Teacher - Ministry of Education, Department of Secondary Education (2003 – 2007)**

Responsibilities included: Teaching Social Studies, History, Geography and Computer Awareness. I prepared examination papers and marked scripts at national level. I was Coordinator for the School Debate and Environmental Club and member of reference group

**BOARD AND COMMITTEE MEMBERSHIPS**

* Chairperson of Board for Somarelang Tikologo, Non-Government Organization
* Executive Member of GaMalete Development Trust
* Member-Quality Assurance Committee – University of Botswana

**REFEREES**

**Prof Jem Perkins**

Senior Lecturer

Department of Environmental Science

University of Botswana

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**Mr. W. Molemogi**

Senior Manager – Human Resource

Ministry of Land Management Water and Sanitation Services

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**Dr M. Stephens**

Senior Lecturer

School of Chemistry, Environmental and Life Sciences

University of Nassau, Bahamas

P. O. Box N-4912, Nassau, Bahamas

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**Mr. K. Motswagole**

Managing Director

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P/Bag 222

Broadhurst, Gaborone

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**Appendix**

**Referred Journal Article**

Isaacs S., (2016) Pushing Agricultural Land Out of the Village: The Land Use Change in South-eastern Botswana’s Otse,

1986-2002. Botswana Notes and Records Gaborone Botswana (In Press Vol 48)

Isaacs S., and Manatsha B., (2016) A Critique of the Botswana Land Policy. Botswana Notes and Records Gaborone,

Botswana (Special Edition Vol 48)

Isaacs, S.M. (2013) “Land Speculation in Botswana”. Ministry of Lands and Housing. Kweneng Land Board, Molepolole

Isaacs, S.M. (2013) “Land Bank in Botswana”. Ministry of Lands and Housing Kweneng Land Board, Molepolole

**Referred Technical Reports**

Isaacs S., (2014) Preliminary Environmental Impact Assessment for Lodge construction in Ramotswa Enviroarch

Consultancy (PTY) Ltd. Department of Environmental Affairs, Government of Botswana. Gaborone.

Isaacs S., (2014) Archaeological Impact Assessment for Lodge construction in Ramotswa Enviroarch Consultancy (PTY) Ltd,

Botswana National Museum and Monuments. Government of Botswana Gaborone.

Isaacs S., (2014) Preliminary Environmental Impact Assessment for the construction of a Lodge in Mochudi Enviroarch

Consultancy (PTY) Ltd Department of Environmental Affairs, Government of Botswana. Gaborone

Isaacs S., (2014) Archaeological Impact Assessment for the construction of a Lodge in Mochudi Enviroarch Consultancy

(PTY) Ltd. Botswana National Museum and Monuments. Government of Botswana Gaborone.

Isaacs S., (2013) Archaeological Impact Assessment for Prospecting and Mining for Tsodilo Resources (PTY) Ltd in

Ngamiland. Enviroarch Consultancy (PTY) Ltd and Bio-track (PTY) Ltd. Botswana National Museum and Monuments.

Government of Botswana Gaborone.

Isaacs S., (2013) Monitoring Development Covenant on Ranches and Wildlife Management Areas in Kweneng District.

Kweneng Land Board, Molepolole

Isaacs S., (2011) Environmental/Archaeological Impact Assessment Statement for Sand Mining in Moshupa River.

Department of Environmental Affairs, Government of Botswana. Gaborone

Isaacs S., (2011) Environmental/Archaeological Management Plan for Borrow Pit in Mantsho Molepolole for Roads

Department, Department of Environmental Affairs, Government of Botswana. Gaborone

Isaacs S., (2011) Design and Development of a Unique Environmental and Cultural Tourism Package for Huiku Trust, Qabo-

Grootlaagte, Ghanzi

Isaacs S., (2009) Archaeological Impact Assessment for the construction of Internal Roads and Storm Water Drainage in

Tlokweng Village, Tlokweng Sub District Council.

Isaacs S., (2009) Archaeological Impact Assessment for the upgrading of Water Distribution Network in Khwai Village.

Botswana National Museum Monuments and Art Gallery Government of Botswana Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2009). Environmental Impact Assessment Statement for the

construction Mmandunyane-Mathangwane Road for Roads Department. Department of Environmental Affairs,

Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008). Environmental Impact Assessment Statement for the

construction of Nata-Kazungula Road for Roads Department. Department of Environmental Affairs, Government of

Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008). Environmental/Archaeological Impact Assessment for upgrading

of water distribution network and storm water drainage in Mahalapye-Palapye for Department of Water Affairs,

Department of Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008) Environmental Impact Assessment Statement for Internal Roads

and Storm Water Drainage in Gabane. Department of Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008). Environmental Impact Assessment Statement for internal roads

and water distribution network with associated storm water drainage in Bobonong. Department of Environmental Affairs,

Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008). Environmental Impact Assessment Statement for the

construction of Mohembo Bridge for CPP Botswana International (PTY) Ltd and Department of Building and Engineering

Services. Department of Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2008). Strategic Environmental Impact Assessment for the construction

of Kazungula Bridge for Department of Roads and CPP Botswana International (PTY) Ltd. Department of Environmental

Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2007). Environmental Impact Assessment for the relocation of

Mohembo Automotive Workshop and Staff Housing in Mohembo for Central Transport Organization. Department of

Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2007). Environmental Impact Assessment for the construction of Thune

River for Department of Roads. Department of Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2007). Environmental Impact Assessment for the construction of

Botswana International University of Science and Technology. Department of Environmental Affairs, Government of

Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2007). Strategic Environmental Impact Assessment for Botswana

Housing Corporation in Maun. Department of Environmental Affairs, Government of Botswana. Gaborone

HERBCO Technical Services (PTY) Ltd and Isaacs S., (2007). Environmental Management and Monitoring Plan for Botswana

Housing Corporation in Maun. Department of Environmental Affairs, Government of Botswana. Gaborone

**Thesis and Dissertations**

Isaacs, S., (July 2018 to date) Geoconservation for Land Use Planning of Heritage Landscapes for sustainable livelihoods in peri-urban and rural areas: in Otse South East Botswana

(Forthcoming PhD Thesis), School of Graduate Studies, Faculty of Science Department of Environmental Science. University of Botswana.

Isaacs S., (May 2018) Geoconservation for Land Use Planning of Heritage Landscapes for sustainable livelihoods in periurban and rural areas: in Otse South East Botswana (Unpublished MPhil Proposal), School of Graduate Studies. Faculty of Science Department of Environmental Science, University of Botswana

Isaacs S., (2009) Land Use Change in Otse, South East District, Botswana. Unpublished MSc Thesis, School of Graduate Studies Faculty of Science Department of Environmental Science. University of Botswana

**Unpublished Conference/Workshop papers**

i. Isaacs, S., Climate Variability, Landscapes and Predictive Modeling: a geospatial perspective: Highlighting the importance

of Geo-archaeological sites in South East Botswana. 1-3 July 2015Association of Southern African Professional

Archaeologists, Harare, Zimbabwe

ii. Isaacs, S., “Spatio-temporal Analysis of Effects of Land Use Change in Peri-urban areas on livelihood strategies in Otse,

Botswana” Association of Southern African Professional Archaeologist Conference 1-3 July 2015, Harare, Zimbabwe

iii. Isaacs, S., “Effects of Land Use Change Planning in Peri-Urban Areas on Livelihood Strategies in Otse, Botswana,

Department of Environmental Science August, 2015

iv. Isaacs, S., Spatio-Temporal Analysis of Effects of Land Use Change in Peri-urban areas on livelihood strategies in Otse, Botswana”, Department of History August, 2015

v. Isaacs, S., “Landscape Archaeology in Southern Africa” Association of Southern African Professional Archaeologists Conference, University of Botswana, 2013

vi. Isaacs S., “Kweneng District Integrated Land Use Plan, 2003” Lentsweletau Stakeholders Workshop 3-5 December

vii. Isaacs S., “Introduction of Integrated Farming in Agricultural Land and Implementation Guidelines” Lephephe Sub Land Board Stakeholders Workshop 21st May 2013

viii. Isaacs S., Corruption in Land Management: Causes, Consequences and Prevention Kweneng Land Board Stakeholders Workshop, Molepolole June 2014

ix. Isaacs S., “Importance of Land Utilization and Planning of Heritage and Natural Resources in Botswana; the case of Otse”, 2015

**Book Chapters**

Stephens M and Isaacs S (2019). Caves in Botswana: Geoconservation in Southern Africa Eckardt et al (2019) (In Press)

Isaacs S., and Stephens, M. (2019). Geoconservation in Botswana: Geoconservation in Southern Africa Eckardt et al (2019)

(In Press).

**Refereed Technical Reviews**

Isaacs S., (2012) Report Chapter: Strategic Environmental Assessment for the Environment Sector in the Mid Term Review for the Kweneng District Development Plan (KDDP) (2009-2016), Kweneng District Council. Molepolole

KDC Technical Committee and Isaacs S., (2013). Review of Kweneng District Settlement Strategy (KDSS) 2009-2016. Kweneng District Council, Molepolole

KDC Technical Committee and Isaacs S., (2012). Review of the Strategic Environmental Assessment for Molepolole Development Plan 2015 to 2027, Kweneng District Council. Molepolole

KDC Technical Committee and Isaacs S., (2012). Botswana Land Policy, (2015). Kweneng District Council, Molepolole

KDC Technical Committee and Isaacs S., (2012). The development of Botswana Integrated Farming Guidelines, (2013)

KDC Technical Committee and Isaacs S., (2012). Review of Kweneng Land Policy, 2013

KDC Technical Committee and Isaacs S., (2012) Review of the Town and Regional Planning Act, 1977. Ministry of Lands and Housing, Department of Town and Regional Planning, Gaborone

KDC Technical Committee and Isaacs S., (2012). Review of the Town and Regional Planning Act, (2013). Ministry of Lands and Housing, Department of Town and Regional Planning. Gaborone

KDC Technical Committee and Isaacs S., (2012). Review of the Development Control Code, 2013. Ministry of Lands and Housing. Department of Town and Regional Planning. Gaborone

KDC Technical Committee and Isaacs S., (2012). Formulation of the Kweneng District Settlement Strategy (KDSS) (2015- 2027). Ministry of Lands and Housing, Department of Town and Regional Planning

**Research work in Progress (In Press)**

Isaacs S., and Stephens M., 2016 A Preliminary analyses of settlement patterns and usages at Baratani-Otse hill, SE Botswana and possible implications for societal change during the past millennium. Journal of Southern African

Archaeology (Forthcoming)

Isaacs, S. 2018 Remote Sensing Thermal Radiation and Composite Infra-Red for Land Use Planning and Sustainable Livelihoods in Otse, SE Botswana (Forthcoming)

Isaacs, S. 2018 Geoconservation of Intangible Cultural Heritage linked to Geomorphosites: paleo mining of Specularite on the ancestral land of Ba-Ga-Malete, Otse SE Botswana. Journal of African Archaeology (Forthcoming)

Isaacs, S. 2018 Participatory geospatial assessment and geoconservation of Marapo-a-tshwene geocultural heritage resource in Otse, SE Botswana (Forthcoming)

Isaacs, S. 2018 “Where They Graduated” Linking geocultural and geomorphological perspective of Motibatibo Archaeohistorical site, Otse SE Botswana (Forthcoming)