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**A systematics for the South African cultural landscapes  
with a view to implementation**

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A thesis proposal submitted in partial fulfilment of the degree of  
Philosophiae Doctor in Landscape Architecture  
In the Faculty of Engineering, Built Environment and Information Technology

University of Pretoria  
Department of Architecture

August 2002

## ACKNOWLEDGEMENTS

I wish to acknowledge the support and encouragement of the following persons:

Ben

Shiela Oberholster

Prof. Roger Fisher

Prof. Schalk le Roux

Prof. Karel Bakker

Prof. Willem van Riet

Sue Krige

Nina Lewin

Dr. Johan Bruwer

Prof. Andri Meyer

Mariana Shepard

Piet Theron

Johan Goosen

Emly Mathe

My friends from whenever

The interviewees who provided their insight

And Mom, my sister, my brothers and all members of their families.

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## LIST OF ACRONYMS

ADRC	Archaeological Data Resource Centre (of the Cultural History Museum in Pretoria)
AFNP	Augrabies Falls National Park
AHC	Australian Heritage Commission
BML	Bureau of Land Management
CANIS	Cultural Resource Management in Afforested Areas and Nature Reserves in South Africa.
CRM	Cultural Resource Management
CSS	Central Statistical Services
DANCED	Danish Cooperation for Environment and Development
DACST	Department of Arts, Culture, Science and Technology
DBMS	Database Management System
DEAT	Department of the Environment and Tourism
DFA	Development Facilitation Act
DPSIR	Drivers, Pressure, State, Impact, Response
ECA	Environment Conservation Act
EIA	Environmental Impact Assessment
ENPAT	Environmental Potential Atlas
GIS	Geographic Information System
GPS	Global Positioning System
HRSC	Human Resources and Scientific Council
HIA	Heritage Impact Assessment
I&AP	Interested and Affected Party
ICOMOS	International Council of Monuments and Sites
ICCROM	International Centre for the Study of the Preservation and Restoration of Cultural Property.
IEM	Integrated Environmental Management
IUCN	World Conservation Union.
MDS	Multi-Dimensional Scaling
NEMA	National Environmental Management Act
NGO	Non Government Organisations
NHRA	National Heritage Resources Act
NRCS	Natural Resources Conservation Service - USA
NPS	National Park Service - USA
NMC	National Monuments Council
NSOER	National State of the Environment Report
PAGEC	Perception and Assessment of Global Environmental Change
PHRA	Provincial Heritage Resources Agency
SAHRA	South African Heritage Resources Agency
SANParks	South African National Parks
SHPO	State Historic Preservation Office USA
TCP	Traditional Cultural Properties
UNCED	United Nations Conference on Environment and Development
UNESCO	United Nations Educational, Scientific and Cultural Organisation
USFS	United States Forest Service
USA	United States of America

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## ABSTRACT FOR THE THESIS

### **A systematics for the South African cultural landscapes with a view to implementation**

Submitted by: Gwen Breedlove  
 Promoter: Prof. Roger Fisher  
 For the degree of: Philosophiae Doctor in Landscape Architecture  
 University: University of Pretoria  
 Department: Department of Architecture

This study proposes a systematics for South African cultural landscapes. This study further aims to strengthen the analytical potential of the system by identifying a suitable platform for collaboration to supplement biophysical ecologies with the cultural ecologies.

Item 4 of the aims of the National Heritage Resources Act No 25 of 1999 specifically states: that it is necessary

*to introduce an integrated system for the identification, assessment and management of the heritage resources of South Africa.*

Although all the aims mentioned in the Act are required for a complete management system for South African cultural resources, without a workable identification and assessment process, management will be ineffectual. This study addresses and proposes a systematics to accomplish this fundamental requirement of a complete management system.

The research project is a proposal to the South African community of concerned individuals, institutions and agencies dealing with the conservation and protection of the cultural resources of the country. It is presented for consideration and adoption as alternative and supplemental management procedures. This research for cultural landscape management tools and techniques will supplement current programs by the relevant agencies who are considered to be holistic, combining African cultural perspectives on environmental values with the traditional western approach to conservation, thus amalgamating cultural and biophysical issues.

The study is both qualitative and quantitative. It identifies and describes current conditions, and through the review of case study field data to test and correlate the documented data. All hypotheses are successfully proven and substantiated with both the critical review of the literature, the key interviews and the case study reviews. The sub-problems investigated each of the aspects to compile such a systematics. This thesis thus successfully proposes a systematic for the cultural landscapes of South Africa.

This study recommends that the research into cultural differences and the relationship of various cultures to the biophysical landscape be extended and, furthermore, an alternative to the western way of documentation and mapping culture must be sought.

Key words: cultural landscape, systematics, social ecology, cultural ecology, heritage management, heritage assessment, heritage conservation.

## ABSTRAK VIR DIE PROEFSKRIF

### **A systematics for the South African cultural landscapes with a view to implementation**

Voorgelê deur: Gwen Breedlove  
 Promotor: Prof. Roger Fisher  
 Vir die graad van: Philosophiae Doctor in Landskapargitektuur  
 Universiteit: Universiteit van Pretoria  
 Department: Department van Argitektuur

Die studie stel 'n sistematiek vir die Suid afrikaanse kultuurlandskappe voor. The studie poog verder om the analitiese potensiaal te versterk deur 'n geskikte samewerkingsvorm vir die biofisiese en die kulturele ekologie daar te stel.

Item 4 in die doelwitte van die Wet op Nasionale Erfenisbronne No 25 van 1999 stel dit duidelik dat dit nodig om,

*'n geïntegreerde sisteem vir die indentifikasie, evaluering en bestuur van die erfinishulpbronne van Suid Afrika daar te stel'.*

Alhoewel hiedie doelwitte genoem word in die Wetgewing, is daar nie tans enige volledige bestuursstelsel wat die Suid Afrikaanse kulturele hulpbronne ondersteun nie. Sonder 'n werkbare identifikasie, evaluering en betuursraamwerk sal die sisteem ontoereikend wees. Hierdie studie adresseer en stel 'n sisteem voor wat aan die funksionele vereistes van so 'n bestuursstelsel voldoen

Die navoringstudie is 'n voorstel aan die Suid Afrikaanse gemeenskap van besorgde persone, instansies, agentskappe en regeringsdepartemente wat met die beskerming en bestuur van die land se erfinishulpbronne besig is. Die doe! is dat hierdie instansies die uitslae van die studie as 'n werkbare bestuursprosedure sal oorweeg. Hierdie navorsingswerk wat die bestuurstelsels en tegnieke vir kulturele landskapbestuur navors, sal moontlik as byvoeging tot die bestaande stelsels kan dien. Die stelsel oorweeg die holistiese kombinasie van 'n perspektief van die omgewingswaardes van Afrika met 'n westerse benadering tot omgewingsbestuur en stel dus 'n verband of samekoms van die kulturele en biofisiese voor.

Die studie is beide kwalitatief en kwantitatief deur die identifikasie en beskrywing van die bestaande toestande, en deur die beskrywing van bestaande sake of projekte, en deur die toets van die data van die projekte teen die onderhoude en die kritiese literatuur hersiening.

Die tesis stel dus 'n suksesvolle sistematiek voor vir die kulturele landskappe van Suid-Afrika, wat die hipoteses van die studie ondersteun.

Die studie stel voor dat die navorsing verder op die kulturele versille van die kultuurgroepe n Suid-Afrika gevoer word en dat die navorsing verder die verhouding van die kultuurgroepe tot hul biofisiese omgewing ondersoek. Verder sal 'n dokumenteringstelsel, wat wegbeweeg van die westerse metodes, gesoek moet word.

Sleutel woorde: kulturele landskap, sistematiek, sosiale ekologie, kulturele ekologie, erfinisbestuur, erfinisevaluering, erfinisbeskerming.