



agriculture

Department:
Agriculture
REPUBLIC OF SOUTH AFRICA



DESP PROJECT PLAN FRAMEWORK 2015/16

NAME OF THE PROJECT:

GCBR Spekboom Fine-Scale Mapping Area wide Project

Fine-scale mapping of Spekboom restoration sites in Calitzdorp Area

Tick where applicable

CONTINUING PROJECT	NEW
	X

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1 Project Identification

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Project number

(For office use only)

Project Name	GCBR Spekboom Fine-scale Mapping Area wide Project
Province	Western Cape
Magisterial district	Calitzdorp
Name of community	Calitzdorp
Name of LandCare Group	Eden
Project Start Date	April 2015
Project End Date	December 2015
Responsible Department, Directorate and section (Lead Institution)	Dept of Agriculture SRM-LandCare Western Cape
Contact person for this project	Mr JJ Muller
Contact details for project contact person:	Address: P O Box 141 George 6530 Phone: 044 8033721 Fax: 044 8740241 Email address: mullerjj@elsenburg.com Mobile number: 082 908 1113
Partner Institutions	Gouritz Cluster Biosphere Reserve (GCBR); Wildlife and Environment Society of South Africa (WESSA); Rhodes Restoration Research Group (RRRG)
Project location	Latitude: 33°32'00" Longitude: 21°41'20"
Area and or distance covered by activities of this project in hectares, kilometres or number of people (land users)	Area: ca 120 000 ha

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2 Executive Summary

2.1 Project Summary

The GCBR has a project called the “Jobs for Carbon Project” which seeks to improve ecosystem health and resilience and the rural economy in the Klein Karoo through the restoration of degraded Spekboomveld. Planting Spekboom back into the landscape indirectly stimulates the reintroduction of other native species of plants and animals, thereby restoring biodiversity and healing damaged ecosystems. A secondary aim is to explore carbon farming as a sustainable use of Spekboomveld and the potential of new income streams, premised on the proven carbon sequestration properties of Spekboom. The Jobs for Carbon Project is a pilot effort and intended as a catalyst for a greatly expanded restoration programme. The present proposal builds on this work by addressing two critical strategic gaps we face in advancing the larger goal of unlocking a Spekboom-based economy in the Klein Karoo.

The objective of the project for which funding is requested in this proposal is:

To produce a fine-scale spatial map and planting protocol of potential Spekboom restoration sites in the Calitzdorp domain.

The fine-scale map and planting protocol are vital building blocks for an expanded landscape-scale restoration programme and there is high probability that the proposed investment can unlock substantial additional funding over the coming years to create jobs whilst restoring ecosystems.

2.1 Budget Summary

BUDGET SUMMARY (Complete the budget summary after completing question)	COMMUNITY GROUP & LOCAL CONTRIBUTIONS	PROVINCE & OTHER CONTRIBUTIONS	NLP CONTRIBUTIONS	TOTAL PROJECT COSTS
Totals for 2015/16	20 000	300 000		320 000
TOTAL (for project life cycle)	20 000	300 000		320 000

3 Project Need

Spekboom restoration in the Calitzdorp district can only proceed once a fine-scale map of the potential restoration sites is available. A similar map, at a scale of 1:15 000, has already been produced for the Vanwyksdorp district, but is not available for the Calitzdorp district.

3.1 Related Projects

The **Jobs for Carbon Project** (see 2.1 above) is an initiative of the GCBR in partnership with WESSA and RRRG. Funded by the European Union and the Department of Environmental Affairs, the project is concentrated in the Vanwyksdorp area of the Klein Karoo. It is aimed at rehabilitation of degraded Spekboom veld as well as job creation in poor rural communities.

Cape Nature's **Gouritz Lowland Corridor** project aims to establish a biodiversity corridor on the lowland areas between Oudtshoorn and Calitzdorp (an approximate 20km area both sides of the R62).

LandCare's **Area Wide Planning** process facilitates the involvement of various stakeholders to address issues relating to a specific area. LandCare also has undertaken Spekboom restoration projects in the Calitzdorp district.

4 Project Aim

The overall aim of Jobs for Carbon is to improve ecosystem health, resilience, and the rural economy in the Klein Karoo through the restoration of degraded Spekboomveld.

4.1 Project aim

Project aim or purpose:	Output indicators to measure if the project have achieved its aim/s: (Social, environmental and economical)
To avail a fine-scale Spekboom restoration map to landowners, project managers and funders.	<ol style="list-style-type: none"> 1. Digital map, two hard copies, and recommended planting protocols are available. 2. Information is disseminated to all affected parties.
This will enable the expansion of the existing Jobs for Carbon pilot project to a landscape scale programme.	The specified outputs are expected to unlock substantial additional funding for Spekboomveld restoration over the coming years. This will lead to the creation of new jobs and economic opportunities for new restoration entrepreneurs in poor rural communities. It will also significantly expand the area of rehabilitated Spekboomveld with important benefits of improved ecosystem health and functioning.

Additional Background and Motivation

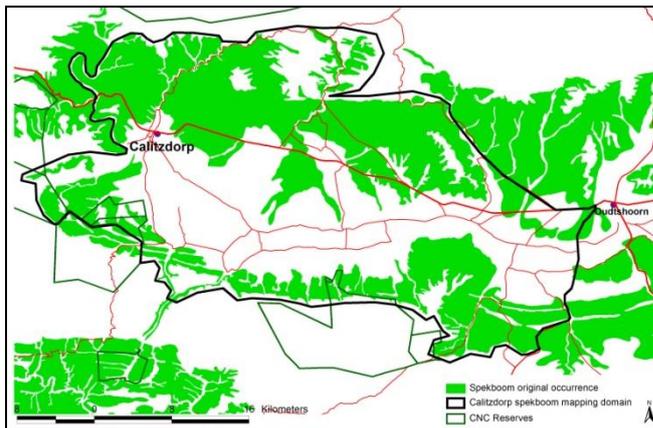
This proposal is designed to fill a critical strategic gap we face in advancing the larger objective of unlocking a Spekboom-based economy in the western Klein Karoo, namely: Lack of sufficiently detailed map of potential restoration areas.

We presently have only a general idea of the historic occurrence of Spekboom prior to transformation in the Calitzdorp domain (see Map 1). To carefully target top priority sites for intervention, it is necessary to know on a much finer scale (1:15 000) where Spekboom-rich vegetation types still occur, where they occurred in the past and at what densities. These sites are the most favourable habitat for Spekboom and therefore provide the best chance of rapid recovery. A similar map produced for the Vanwyksdorp domain is now being used to guide engagement with landowners and to secure priority restoration sites in that area (see Map 2).

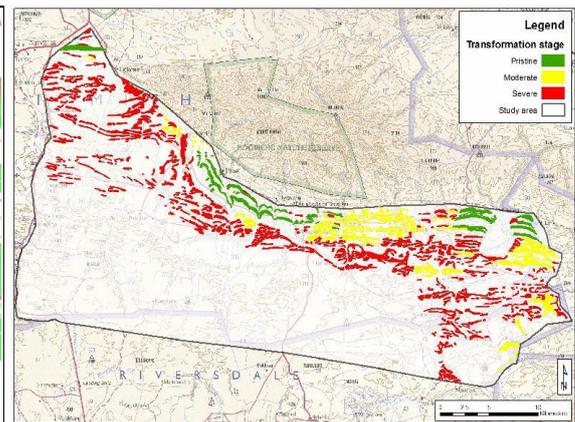
A fine-scale map is a critical tool for accurate targeting and unlocking other funding opportunities for restoration and job creation. For example, the Department of Environmental Affairs through its Natural Resource Management Programme (DEA-NRM) has indicated willingness to fund harvesting and planting of Spekboom; yet without a proper map this funding cannot be secured or effectively utilised. LandCare support here will immediately

unblock these opportunities. Additionally, it is vital that the Spekboom mapping is finely tuned to the needs of carbon standards that might be used in future; this has bearings on the sampling effort employed in carbon baselines required to qualify for carbon credits.

With the resulting restoration map and accompanying planting protocol guideline we can (a) secure additional funding for Spekboom restoration work, (b) easily develop a management plan, and (c) quickly mobilise and deploy restoration teams as and when funding becomes available. The planning domain of ca. 120 000 ha is delineated in black outline in Map 1.



Map 1. Original occurrence of Spekboom in the general Calitzdorp Region



Map 2. Original occurrence of Spekboom in severely transformed Spekboomveld in the Vanwyksdorp Region

4.2 Project objectives

Project objectives	Indicators	Baseline	Target
To produce a fine-scale map and planting protocol guideline of potential Spekboom restoration sites in the Calitzdorp domain.	Final restoration map of Calitzdorp domain completed in hardcopy and electronic format Summary document with recommendations and restoration planting protocols	Map 1: Original occurrence of Spekboom in the general Calitzdorp Region	A fine-scale map of potential Spekboom restoration sites and recommended planting protocols for the Calitzdorp domain are available and used to inform restoration management plans as well as to secure funding for restoration work.

4.3 Beneficiaries

The numbers specified below are potential, once restoration work in Calitzdorp is undertaken.

		This three columns should be a percentage of the total e.g. if the total number of labourers from community is 100 and 65 of them are women, 2 disabled, complete the table as follows:		
Beneficiaries:	Total	Youth	Women	Disabled
Land users	Based on the restoration map produced under this project, we will be able to identify and engage with priority land users/owners whose property includes priority restoration sites. This will facilitate the process of (1) securing land for restoration and (2) securing funding for restoration.			
	20			
Labourers from community	The resulting restoration map and accompanying planting protocol guideline will unlock funding for Spekboom restoration work, and thereby create valuable job opportunities for local people in restoration teams. Teams will include men and women, consistent with conditions of funding from Government.			
	100	50	50	
Labourers from other communities	50	25	25	
Local contractors (list them)	As new funding for restoration is secured, new contract opportunities are created for local restoration entrepreneurs.			
Other institutions (name them)	Gouritz Cluster Biosphere Reserve (GCBR) Wildlife and Environment Society of South Africa (WESSA) Rhodes University: Rhodes Restoration Research Group (RRRG)			
Broader public	Through the existing communications outreach programme of the Jobs for Carbon Project, the broader public in the Klein Karoo and beyond is made aware of the importance and benefits of Spekboom restoration for local economic development and ecosystem restoration. Communication outlets include local newspapers, radio broadcasts, online publications.			
Total for project:	Exact numbers of beneficiaries will depend on actual funding secured for restoration.			

5 Implementation Strategy

The project will be managed by the GCBR and implemented under sub-contract by a suitably qualified contractor (such as Regalis Environmental Services or similar competent agent).

The core management team of the Jobs for Carbon Project, comprising the GCBR, WESSA and RRRG, will monitor implementation of activities. The Board of Directors of the GCBR will monitor progress at their regular meetings.

We will follow well-accepted methodologies used in large-scale restoration of transformed Spekboomveld in the Eastern Cape. Restoration protocol recommendations will be adjusted to suit the conditions of the Calitzdorp area.

6 Work Breakdown Structure

Project objectives and intended outcomes	Project activities	Completion date
<p>Produce a fine-scale map and planting protocol guideline of potential Spekboom restoration sites in the Calitzdorp domain.</p>	<p><u>1. Preparation:</u> 1.1 Develop Terms of Reference 1.2 Procurement of qualified contractor 1.3 Execute contract</p> <p><u>2. Implementation:</u> 2.1 Obtain hard copy maps of the ca. 120 000 ha domain, printed at scale 1:15 000 2.2 Ground truth the domain on foot and map all current and previous occurrence of Spekboom on the hard copy maps 2.3 For each polygon mapped, indicate degree of transformation of each site at three levels (pristine, moderate, severe) 2.4 Capture the polygon data by means of digitizing the maps to avail the final map in electronic format 2.5 Prepare summary document and restoration protocols for the different Spekboom vegetation types that occur in the domain</p> <p><u>3. Dissemination:</u> 3.1 Present information to landowners and other stakeholders</p>	<p>Month 1 Month 1 Month 2 Month 2 Month 4 Month 4 Month 4 Month 6 Month 7 Month 8</p>

7 Statement of Work

Objective	Activity and sub-activities	Start date for activity (Indicate also the quarter)	End date for activity (Indicate also the quarter)	Inputs required for activity	Outputs to be achieved / deliverables	Activity cost	Other resources required
2015	1.1 1.2 1.3	Q1: Feb	Q1: March		Contract issued and 1 st payment made		None
2015	2.1	Q1: March	Q1: March		Hardcopy maps obtained		None
2015	2.2 2.3	Q2: Apr	Q2: June		Field work completed Data collected	R130 000	None
2015	2.4 2.5	Q3: July	Q3: September		Digitisation complete Map finalised Report finalised Final payment released	R130 000	None
2015	3.1	Q4: October	Q4: December		Results shared with land users Media coverage	R40 000	None

8 Milestone Schedule

Year	Quarter	Project phase	Milestone description
2015	Q1: Jan - March	Preparation and planning	TOR developed contractor identified contract signed
	Q2: April - June	Implementation	Obtain hard copy maps Field work: ground truth domain on foot Mapping
	Q3: July - Sept	Implementation	Capture polygon data Digitisation of maps Production of final map Prepare restoration protocols and report
	Q4: Oct - Dec	Dissemination	Present to landowners and other stakeholders

9 Cost Breakdown Structure

9.1 Summarise project cost and funding requirements (2015/2016)

(From details provided at Question 7). Complete a similar table for each financial year if the project is a multi-year project.

	A	B	C	D(A+B+C)
COST ITEM	Community group and local contributions for 2015/16	Provincial government and other secured government contributions for 2015/16	NLP Contributions	Total item cost for 2015/16
EMPLOYMENT COSTS				
Co-ordination costs	5 000			5 000
CONSULTANCY/CONTRACTOR		180 000		
Scientific study of Calitzdorp domain		75 000		255 000
Digitising services				
OTHER EMPLOYMENT COSTS (list them....)				
	5 000	255 000		
Employment costs sub-total				260 000
OPERATING COSTS				
LABOUR				
MEETINGS AND SPECIAL EVENTS		30 000		30 000
ADMIN AND EVALUATION COST	10 000			10 000
REPORTING COST	5 000			5 000
GOVERNMENT				
TRAVEL AND SUBSISTENCE		15 000		15 000
Field work 3 months @ R 5000				
EQUIPMENT HIRE				
OTHER OPERATING COSTS				
Operating costs sub-total				60 000
CAPITAL COSTS				
MATERIALS (Gabions and stone)				
Capital cost sub-total:				
TOTAL FOR 2015/16	20 000	300 000		320 000

9.2 Cash Flow Projection

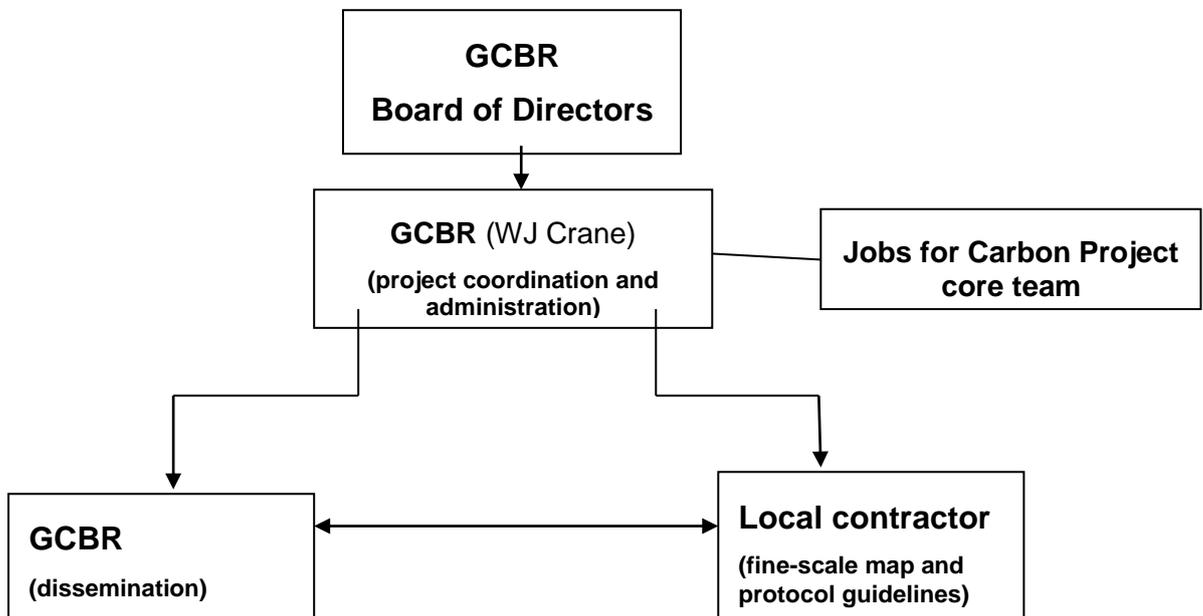
2014 Q1 (Jan-March):	-
Q2 (April-June):	R 100 000
Q3 (July-Sep):	R 160 000
Q4 (Oct-Dec):	R 40 000

9.3 Governance

All the funds will be managed through the GCBR and under the authority and monitoring of the GCBR Board of Directors.

9.4 Project Organisational Structure

Management of project funds and coordination of project activities will be the responsibility of the GCBR. The Board of Directors of the GCBR will monitor progress at their regular meetings. The Jobs for Carbon Project core team (comprising the GCBR, WESSA, RRRG) will serve as a reference group, providing advice and monitoring of activities.



9.5 External Interfaces

SKEP – Succulent Karoo Ecosystem Programme
CAPE – Cape Action for People and the Environment
CapeNature
Organised Agriculture
Gouritz Forum
LandCare Eden

9.6 External Dependencies

None

9.7 Monitoring

The core management team of the Jobs for Carbon Project will monitor project activities. Quarterly project progress reports will also be made to the GCBR Board of Directors at their quarterly meetings. Monthly reports will be provided to LandCare Eden throughout the project. LandCare officials will also monitor the project on a regular basis.

9.8 Reporting

The project leader will provide monthly reports to LandCare Eden.
A final report will be submitted on completion of the project.

9.9 Evaluation

Evaluation and quality control of project deliverables will be undertaken by the Jobs for Carbon core management team, as well as LandCare officials.

10 Assumptions and Risks

10.1 Assumptions

Suitably qualified contractor is available to undertake the work within the timeframe and available budget.

10.2 Risks

There are no notable risks in executing this project.

10.3 Abatement Strategies

Not applicable.

11 Human Resource Strategy

The human resources required consist of the core management team of the Jobs for Carbon Project. This group has the requisite knowledge and capacity to undertake necessary planning and oversight. Additional human resources are in the sub-contracting entity to undertake the scientific work and digitisation services. Based on recent experience, both are readily available and competent to do the work.

12 Communication Strategy

The Jobs for Carbon Project has a communications component which is managed by the GCBR. It includes public talks and presentations, radio interviews, media coverage in newspapers and online outlets, amongst others. We also make use of the websites of the GCBR (www.gouritz.com) and WESSA (www.wessa.org.za) to raise the public visibility of the project. In addition, there is a project reference group who receive periodic updates on progress – they include representatives of organisations such as CapeNature, LandCare, Eden DM, amongst others. These platforms will be used to raise public awareness about the importance of healthy ecosystems, and the contribution Spekboomveld restoration can make to this end as well as to local job creation. LandCare support to this project will be highlighted in these communications.

13 Project Plan Approval

13.1 Executive members of LandCare Group

Signatures of representatives		
Printed names of representatives		
Position		
	Date / / Phone	Date / / Phone

13.2 Traditional / Government / Landowners declaration

I am willing to have the activities described in this application carried out on land that I control and this does not conflict with proposed land management practices or degrade environmental or cultural values.

Signatures of representatives		
Printed names of representatives		
Position		
	Date / / Phone	Date / / Phone

13.3 District Senior Manager: Department of Agriculture

I declare that the implementation of this project is part of my performance agreement

Signatures of Senior Manager		STAMP
Printed names of Senior Manager		
	Date / / Phone:	

13.4 Local Government declarations

I hereby declare that this project is registered in the Integrated Development Plan (IDP) of the Local Municipality and is part of Local Economic Development (LED) Framework.

Signatures of Municipal Manager		STAMP
Printed name(s) of the Municipal Manager		
	Date / / Phone:	

13.5 Recommendations by the Provincial Assessment Panel

This project has been assessed at Provincial Level and is hereby recommended for National Assessment and Funding

Signatures of the Chairperson	
Printed name(s)	
	Date / / Phone:

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