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In terms of Section 21 of the Environmental Conservation Act, 73 of 1989

For

*Clearance of alien invasive and moribund (dead) vegetation on
Portion 253 of Farm 192, Langvlei Dunes, Wilderness*



Compiled by	HilLand Environmental
Reference	WIL20/1075/01
Date	13 November 2020

HilLand Environmental
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13 November 2020

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Sensitive Coastal Areas Extension Permit Application - Portion 253 of Farm 192, Langvlei Dunes, Wilderness - Clearance of alien invasive and moribund (dead) vegetation

Submitted to: **George Municipality**

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PROJECT DETAILS

TITLE: Proposed clearance of alien invasive and moribund (dead) vegetation on Portion 253 of Farm 192, Langvlei Dunes, Wilderness

ENVIRONMENTAL CONSULTANCY: HilLand Environmental

PRIMARY EAP: Cathy Avierinos

EXPERTISE: Cathy graduated from Rhodes University with BSc (Hons) in Botany, specialising in Environmental Management, Impact Assessment and Ecology. In 1992 she started the environmental consultancy HilLand Associates and this was replaced by HilLand Environmental in 2008. She specialises in Environmental Management primarily as an EAP in the fields of Environmental Impact Assessments, Environmental Management and Rehabilitation Ecology. During the past 27 years she has worked on over 1000 projects throughout the Garden Route and Southern Africa.

ASSISTANT EAP: Inge Delpont

EXPERTISE: Inge graduated from Stellenbosch University with a BSc (Hons) in Biodiversity and Ecology. She has undertaken a year's internship at HilLand Environmental under the direct supervision of Cathy Avierinos and is currently a junior consultant.

REPORT CLASSIFICATION: OSCAE

DECISION MAKING AUTHORITY: George Municipality

LISTED ACTIVITIES:

Schedule 1.1 - Disturbance of vegetation **-only**

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GLOSSARY OF TERMS

Applicant – A person who has submitted, or who intends to submit an application for environmental authorisation.

Assessment – The process of collecting, organising, analyzing, interpreting and communicating information that is relevant to decision-making.

Best Practical Environmental Option [BPEO] – The option that provides the most benefit or causes the least damage to the environment as a whole, at a cost acceptable to society, in the long term as well as in the short term.

Ecosystem – A dynamic system of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.

Environment – The surroundings within which humans exist and are made up of

- i. The Land, water and atmosphere of the earth;
- ii. Micro organisms, plant and animal life;
- iii. Any part or combination of [i] and [ii] and the interrelationships among and between them; and
- iv. The physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and wellbeing.

Environmental Assessment Practitioner [EAP] – The person responsible for planning, management and co-ordination of environmental impact assessment, strategic environmental assessments, environmental management programmes or any other appropriate environmental instrument introduced through regulations.

Environmental Conservation Act [ECA] – The relevant legislation that governs and regulates the EIA process, and provides for the effective protection and controlled utilization introduced through regulations.

Environmental Impact – An environmental change caused by some human act

Environmental Impact Assessment [EIA] – In relation to an application to which scoping must be applied, means the process of collecting, organising, analyzing, interpreting and communicating information that is relevant to the consideration of that application. This process necessitates the compilation of an Environmental Impact Report, which describes the process of examining the environmental effects of a proposed development, the anticipated impacts and proposed mitigatory measures.

Environmental Impact Report [EIR] – A report assessing the potential significant impacts as identified during the scoping phase.

Environmental Management Programme [EMPr] – A management programme designed

specifically to introduce the mitigation measures proposed in the Reports and contained in the Conditions of Approval in the Authorization.

Pollution – Any change in the environment caused by substances, radioactive or other waves, or noise, odours, dust or heat emitted from any activity, including the storage or treatment of waste or substances, construction and the provision of services, whether engaged in by any person or an organ of state, where that change has an adverse effect on human health or well-being or on the composition, resilience and productivity of natural or managed ecosystems, or material useful to people, or will have such an effect in the future.

Significant Impact – Means an impact that is by its magnitude, duration, intensity or probability of occurrence may have a notable effect on one or more aspects of the environment.

Spatial Development Framework [SDF] – A document required by legislation and essential in providing conservation and development guidelines for an urban area, which is situated in an environmentally sensitive area and for which major expansion is expected in the foreseeable future.

Sustainable Development – The integration of social, economic and environmental factors into planning, implementation and decision-making so as to ensure that development serves the present and future generations.

1. EXECUTIVE SUMMARY AND INTRODUCTION

HillLand Environmental, independent Environmental Assessment Practitioners (EAPs), have been appointed by the applicant, **Mr. and Mrs. Martins**, to ensure compliance in terms of Section 21 of the Environmental Conservation Act for the disturbance, removal, or pruning of vegetation required in order to implement alien invasive plant control on Portion 253 of Farm 192, Langvlei Dunes, Wilderness. This site is hereafter referred to as 'the property', please see **Appendix 1** for the Locality Map.

This property is located within the Langvlei Dunes area of Wilderness east (smallholdings) and can be accessed via Dune Mole Street (east). The property shows signs of limited historic clearing as deadwood (mostly Myrtle) are present. The property is moderately to severely infested with alien invasive vegetation, however, pockets of indigenous vegetation are present on the property.

The intention of the owners is to undertake alien clearing on the property through the implementation of an alien control plan (submitted for approval) and the use of approved methodologies. Moribund (dead) material (if not used as erosion control) will also be removed (chipped and / or carted off-site) in order to enhance the reestablish of indigenous vegetation.

The site was visited by Inge Delpont (for HillLand Environmental) in November 2020. Currently, the property consists of a mosaic of indigenous (few remnants and thicket vegetation in between the dense alien infested areas) and alien invasive pockets.

The following report is in terms of Regulation 2 of the Outeniqua Sensitive Coastal Area Extension (OSCAE) Regulations (R1526 of 27 November 1998). This report is required by the local authority in order to provide the necessary permit for the controlled activities (clearing of alien invasive and moribund (dead) vegetation) that will take place in terms of the Outeniqua Sensitive Coastal Area Regulations.

1.1. TERMS OF REFERENCE

To assess the site with reference to the listed activities identified in the Outeniqua Sensitive Coastal Area Extension (OSCAE).

The activities triggered for this application related to the clearance of vegetation, with the aim to ensure that the disturbance of indigenous vegetation is kept to a minimum and does not result in any secondary impacts causing damage to the surrounding sensitive areas.

The report, therefore, contains the following information:

- Location of the property and proposed activities;
- Details of the proposed activities;

- Description of vegetation;
- The sensitivity of vegetation in local and general terms;
- Mitigatory and control measures to limit the impacts; &
- Proposed rehabilitation measures.

1.2. THE OUTENIQUA SENSITIVE COASTAL AREA REGULATIONS

The Outeniqua Sensitive Coastal Area (OSCA) regulations were promulgated in 1998 and are an effort to control inappropriate developments which may have a detrimental impact on sensitive areas of the coastal zone. These impacts may result in irreversible damage if sites are disturbed before they are properly evaluated and sensitively managed.

The regulations are an attempt to ensure sustainable development along the coast by ensuring that the consequences of the impacts are understood and where possible, mitigatory measures are proposed and implemented.

These regulations have largely been replaced by the now comprehensive EIA regulations in terms of NEMA, with the most current regulations being the NEMA 2014 EIA Regulations (as amended).

2. LOCALITY OF THE PROPERTY

Portion 253 of Farm 192, zoned Agriculture II, is located within Langvlei Dunes located east of Wilderness and is approximately 1.61 ha in extent. Access to the property can be gained via Dunes Mole Street (east) and there is existing footpaths present on the property.

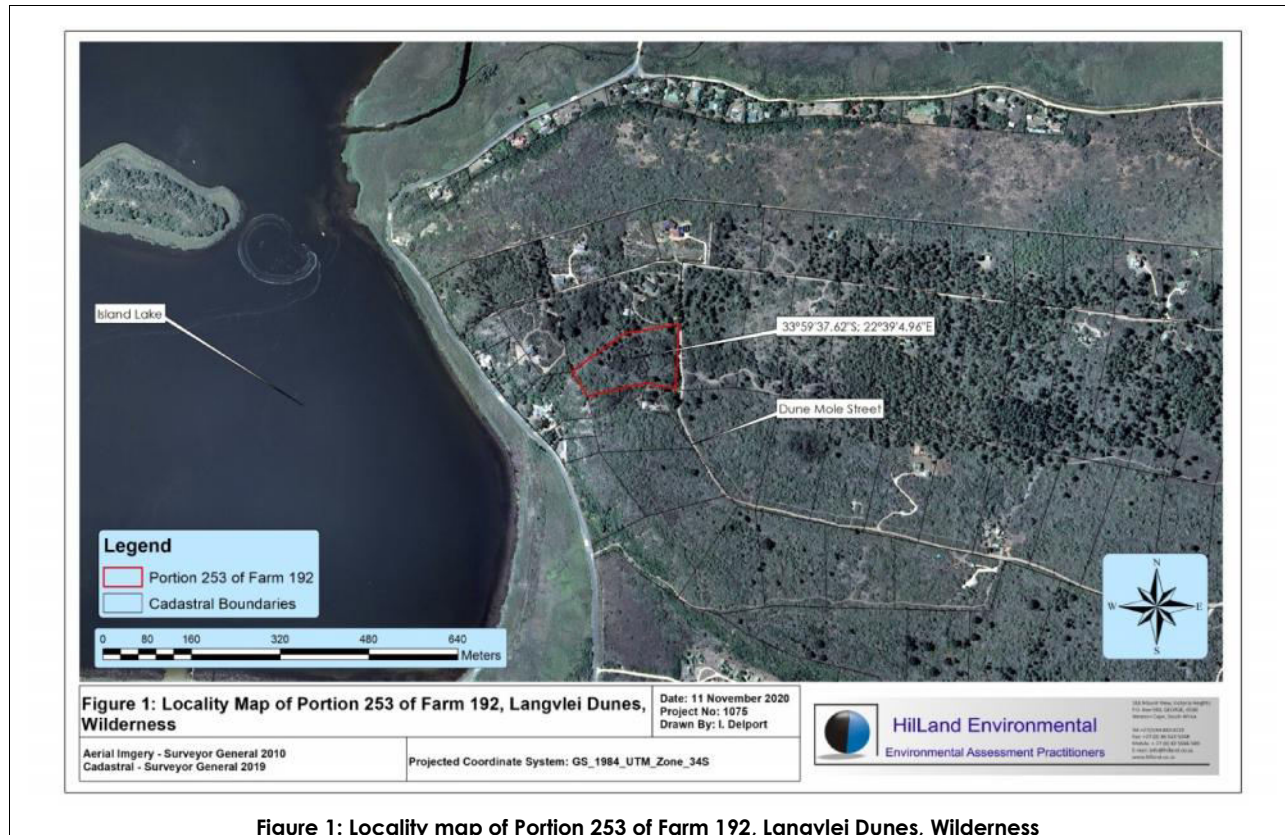


Figure 1: Locality map of Portion 253 of Farm 192, Langvlei Dunes, Wilderness

3. DESCRIPTION OF ACTIVITY AND SITE

The proposed activity will entail the clearing of all alien invasive vegetation present on the property (including the removal of moribund (dead) vegetation to allow the indigenous vegetation to restore).

The alien clearing will be done in accordance with an alien invasive control plan which will be submitted to the competent authority, Department of Environmental Affairs: Biosecurity (Stiaan Kotze) for approval. The control plan will include information on the approved methodologies that must be implemented in order to eradicate the alien invasives effectively.

3.1. CONSERVATION CONTEXT AND IMPACT OF THE PROPOSED ACTIVITIES

In accordance with the South African Protected and Conservation Areas Database (DEA, 2020), the property lies near the Protected Area of the Garden Route National Park (GRNP).

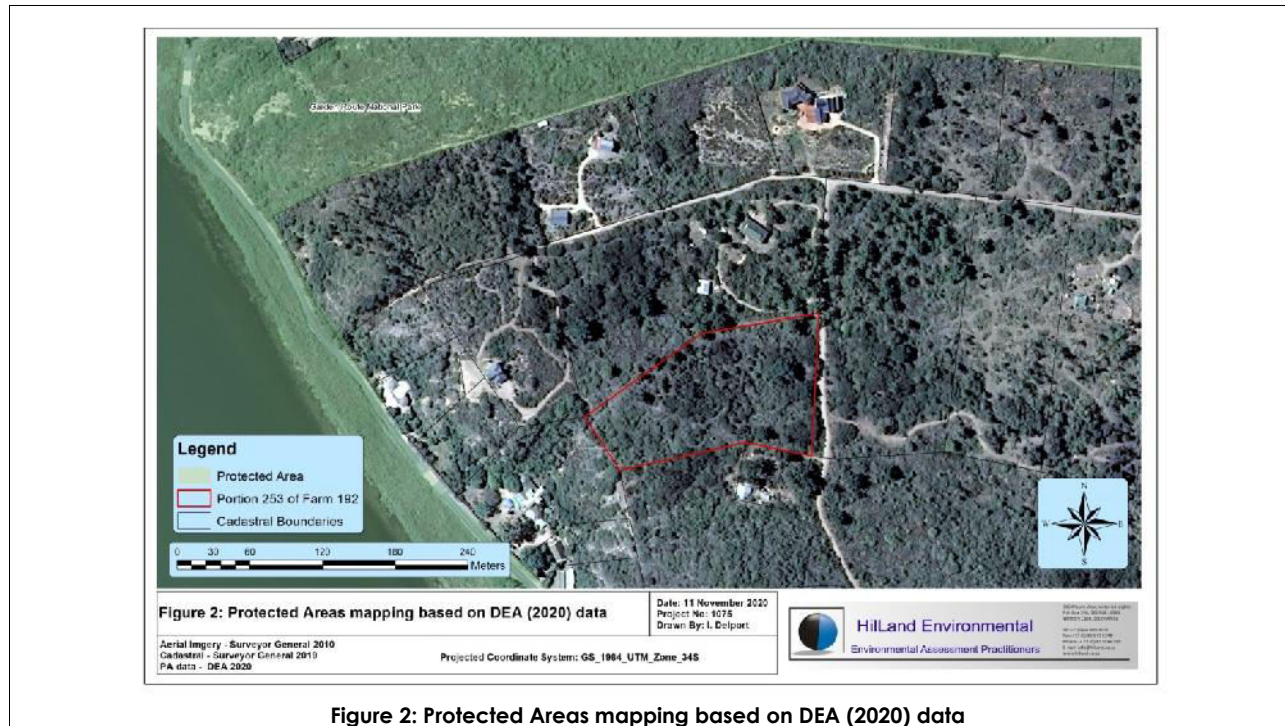


Figure 2: Protected Areas mapping based on DEA (2020) data

The entire property falls within an area mapped as containing Goukamma Dune Thicket in accordance to the Western Cape Biodiversity Spatial Plan 2018 original extent data, which has a least threatened status (2018 - new vegetation type). Based on the remaining extent data, only a small section of the western part of the property is mapped as Goukamma Dune Thicket.



Figure 3: National Biodiversity Areas showing the Original Extent of Threatened Ecosystems



Figure 4: National Biodiversity Areas showing the Remaining Extent of Threatened Ecosystems

The vegetation present on the property consists of some pockets containing remaining pioneer fynbos and thicket vegetation (consistent with Goukamma Dune Thicket). However, the property is moderately to heavily infested (mostly Australian Myrtle). Protected tree species such as Milkwood and Cheesewood trees are located in-between the heavily infested areas and as such, the alien clearing should be done in

such a way without the disturbance of these trees. Mitigation measures are provided further in this report.

The following alien invasive vegetation is present and requires clearing:

- Australian myrtle (*Leptospermum laevigatum* (Myrtaceae)) (various age groups);
- Pine species (*Pinus* species) (various age groups);
- Red eye wattle (Rooikrans) (*Acacia cyclops*) (minimal infestation);
- Long-leaved wattle (*Acacia longifolia*); &
- Port Jackson (*Acacia saligna*).

The following species are likely to be present on-site due to the surrounding infestations, although they were not noted during the site inspection:

- Black wattle (*Acacia mearnsii*);
- Australian blackwood (*Acacia melanoxylon*); &
- Gum species (*Eucalyptus* species).

It should however be noted that the control plan and list of alien species present on the property will be updated as new/different species are detected.

Table 1: Invasive species present on the property and the method of clearing that must be implemented (WFW, 2012)

Plant species	Common name and Category	Method of clearing
<i>Leptospermum laevigatum</i>	Australian myrtle 1b	Seedling: Hand pull Young and adult: Cut below ground / foliar spray.
<i>Pinus</i> species	Pine species 1b	Seedling: Hand pull Young and adult: Cut / Physical removal using a tree popper.
<i>Acacia cyclops</i>	Red eye wattle 1b	Seedling: Hand pull / foliar spray Young: Lopping / pruning. Physical removal using a tree popper. Adult: Cut stump or frill
<i>Acacia longifolia</i>	Long-leaved wattle 1b	Seedling: Hand pull / foliar spray Young: Lopping / pruning. Physical removal using a tree popper. Adult: Cut stump or frill
<i>Acacia saligna</i>	Port Jackson 1b	Seedling: Hand pull / foliar spray Young: Lopping / pruning Adult: Cut stump or frill
<i>Acacia mearnsii</i>	Black wattle 2	Seedlings: Hand-pull / Foliar spray Young: Cut and Herbicide application. Physical removal using a tree popper Adult: Bark strip / Cut stump or frill followed by Herbicide application / basal stem
<i>Acacia melanoxylon</i>	Australian blackwood 2	Seedlings: Hand-pull / Foliar spray Young: Cut followed by Herbicide

		application. Physical removal using a tree popper Adult: Cut stump or frill followed by herbicide application / basal stem
<i>Eucalyptus</i> species	Gum species 1b or 2 in bee-forage areas	Seedling: Hand-pull / Foliar spray Young: Cut followed by herbicide application. Physical removal using a tree popper Adult: Cut stump followed by herbicide application

Table 2: Description of NEM:BA Categories: 1 (a and b), 2 and 3 (in accordance with NEM:BA)

NEM:BA Category	Description
Category 1 (a and b)	Invasive species falling under this category are prohibited plants, i.e. are illegal to grow or keep and must be controlled / eradicated. These plant species possess characteristics that can prove harmful to humans and/or have a detrimental impact on the environment, people or the economy. These plant species are only allowed in biological control reserves that are designed for the breeding of bio-control agents. Road reserves are not considered biological control reserves and as such these species need to be removed from such area unless specifically permitted to be there.
Category 2	Invasive species falling under this category are planted with a commercial or utility value. These species have certain useful qualities, which include the commercial use of for timber, animal fodder, food, soil stabilisation etc. The species falling under this category are only permitted in demarcated areas, under controlled conditions and in bio-control reserved. However, they are not permitted within 30 m of 1:50 year floodline or a watercourse or wetlands unless it is authorised by the National Department of Water Affairs. Road reserves are not considered demarcated areas or control conditions and as such these species need to be removed from such area unless specifically permitted to be there.
Category 3	These species are primarily 'exotic' or ornamental horticultural plants that escaped from residential gardens. These species may not be planted and propagative material may not be traded (except where the appropriate permits are in place). Eradication of these species is not required- except within 30 m of 1:50 year floodline or a watercourse or wetlands. The spread of these species must be prevented.

Table 3: Photographic record of the site





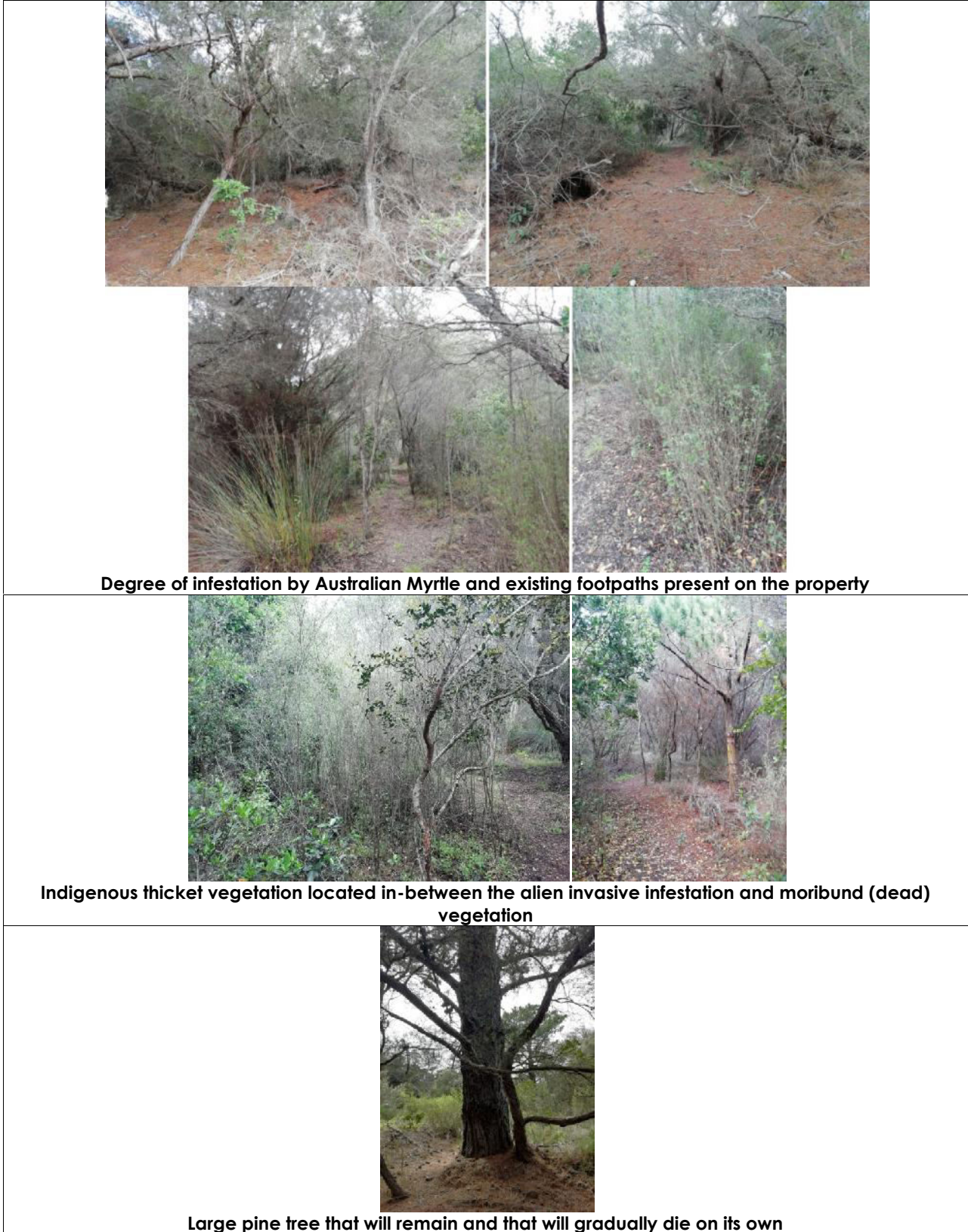
View of the eastern property boundary (viewed from Dune Mole Street) - the vegetation represents a mosaic of alien invasive and indigenous vegetation



Entrance to the property



Pockets of indigenous vegetation present on the property which is surrounded by alien invasive vegetation



The fire risk within fynbos areas needs to be taken into account, as the area has had fire excluded for some time. The establishment of thicket clusters and size of some alien invasive trees are an indication of the length of time since the area has burnt. The thicket clusters and forest vegetation should be **encouraged** due to their fire retarding properties. Removal of moribund growth (dead material) within the remaining fynbos areas should allow for the establishment of new young growth and will encourage species diversity. It is not anticipated that fire will ever be used as a management tool for fynbos in this area due to the fire risk and the forested nature of the area.

Alien clearing will take place throughout the property by using acceptable methods of cutting, chipping and systematic removal of seedlings. **No** vegetation **other** than the alien invasive vegetation and moribund (dead) vegetation will be removed and natural vegetation will remain undisturbed. With the proposed mitigation measures and recommendations made in this report, the impact of alien removal on the indigenous vegetation will be of a **low** significance.

4. ARCHAEOLOGICAL RESOURCES

All archaeological sites are protected by the National Heritage Resources Act, (Act 25 of 1999). Should any resources of suspected heritage value are uncovered during clearing, all activity will cease immediately. The find will be reported to Heritage Western Cape (HWC) and clearing will not re-commence until an archaeological expert can be consulted for further input and instruction.

5. CONCLUSION AND MITIGATION MEASURES TO BE INCLUDED INTO THE OSCAE PERMIT (ONCE ISSUED)

The proposed clearing will be undertaken in a sensitive manner, which is informed by the vegetation on the property. Any additional activities to take place on the property will require a separate OSCAE permit application. It will be the responsibility of the owner to inform the EAP should any additional activities other than the clearing of alien invasive vegetation / moribund (dead) material will be required.

It will be the responsibility of the landowner to make the following OSCAE application report and OSCAE permit (once issued) available to the alien clearing person / team. A monitoring report will be required by the Municipality on completion of activities. The landowner will be responsible for the appointment of an ECO to monitor compliance with the OSCAE permit and to inspect the completion of construction activities for the submission of the report to the municipality.

Although not anticipated, if the pruning, disturbance or the removal of any protected indigenous trees / tree clumps be required, a DEFF license application must be submitted to the Department of Forestry prior to these activities taking place.

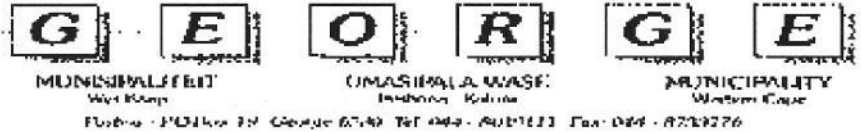
5.1. ALIEN CLEARING

- The alien clearing must be undertaken in accordance with the Alien Control Plan;
- Alien clearing must be done by someone / a team who can clearly identify alien invasive species and who is qualified/trained in alien clearing and implementation of the approved methodologies (**no heavy machinery such as TLB's may be used to clear the vegetation**);
- **No topsoil may be disturbed**;
- Clearing must be done by making use of the existing footpaths, **no roads** may be created in addition of the existing entrance driveway;
- Clearing must be restricted to alien invasive species and moribund (dead) vegetation. Indigenous vegetation must remain **undisturbed**;
- In some instances where there are indigenous trees in between a thick cluster of alien invasive vegetation (to be cleared) a cautious approach must be taken to not disturb these trees. Following the clearing, the remaining indigenous trees will most likely require some sort of support (as the alien trees were used as support. The use of latte pegged into the ground and which is attached to the tree with rope / danger tape (or similar) is recommended;
- Cut alien vegetation must be chipped or cut and stockpiled for firewood; &
- Follow up control must be done throughout the lifetime of the property.

5.2. SITE MANAGEMENT

- Equipment and chemical toilet are to be located within the approved site as directed by the ECO;
- Chemical toilet is to be kept secured and well serviced at **all** times;
- It is recommended that firebreaks following the requirements of the FPA / FMU be created as indicated on the property. Vegetation within the firebreaks is to only be brush-cut;
- Erosion control must be implemented as necessary. The use of onion bags, filled with mulch, pegged into the ground / the use of sandbags to slow down any runoff water should be made where appropriate. Cut vegetation may also be brush-packed and used for erosion control and / or branches can be chipped and chips are to be spread over the site &
- The site must be kept neat and clean at all times during alien clearing.

The proposed OSCAE application will allow the owner of the property to systematically clear alien invasive vegetation on the property through the implementation of the



following report, OSCAE permit and Alien Invasive Control Plan. The proposal will allow the systematic restoration of indigenous vegetation on the property.

FILE REFERENCE: **WIL20/1075/01**
DATE OF SUBMISSION: **13 November 2020**

APPLICATION FOR A SENSITIVE COASTAL AREA PERMIT IN TERMS OF GOVERNMENT NOTICE NO. R1526 OF SEPTEMBER 1997 READ WITH THE ENVIRONMENTAL CONSERVATION ACT, 1989 (ACT 73 OF 1989)

Applicant : **Mr. and Mrs. Martins**

NOTE: If unsure about any question or answer, consult with the component Local Authority official.

NOTE: If the answer to Question 5 in Section 2C is "Yes" then you do NOT need to apply for a permit in terms of the SCA Regulations, even if the activity/development is planned to take place within the OSCA!

TICK IN THE APPROPRIATE BLOCK(S) WHERE APPLICABLE

A DETAILS OF APPLICANT

1. NAME OF APPLICANT:

A	Title .Mr and Mrs	Initials: N & D
B	Surname Martins	
C	Company	

2. STATUS

A	Owner	<input checked="" type="checkbox"/>
B	Developer	<input type="checkbox"/>
C	Contractor	<input type="checkbox"/>

D Consultant □

Application must be accompanied by the owner(s) written approval/agreement (refer to Section 2E)

3. CONTACT DETAILS

		Area Code/Number
A	Telephone	044 / 889 0229
B	Fax	086 542 5248
C	Cell Phone	082 305 5097
	E-mail	cathy@hilland.co.za / environmental2@hilland.co.za

4. ADDRESS: APPLICANT (for correspondence)

Cell: 0725815772	Email: admin@crustandcrumb.co.za
-------------------------	--

A	PO Box	
B	Street	90 Phantom Street
C		Raceview
D	Suburb	Alberton
E	Town/City	1449
F	Postal Code	

5. ADDRESS: OWNER (for correspondence)

A		
B	Street	As above
C	Suburb	
D	Town/City	
E	Postal Code	

6. OTHER PARTIES INVOLVED: (if applicable)

A	Consultants	HilLand Environmental
B	Telephone	044 889 0229
C	Contractor(s)	To be selected
D	Telephone	
E	Developer	N/A
F	Telephone	

B DESCRIPTION OF THE SITE

1. SITE DETAILS:

A	Property number(s)/Farm Portion(s)	Portion 253 of Farm 192
B	Farm name(s)	Langvlei Dunes
C	Company	
D	Property/Farm size	16 100 m²
E	Magisterial district	George

2. CURRENT LAND USE:

A	Agricultural.....	
B	Residential.....	
C	Rural occupation.....	X
D	Industrial.....	
E	Nature Area.....	
F	Recreational.....	
G	Other..... Vacant smallholding – area mostly rural occupation	X

3. CURRENT ZONING

Agriculture II Zoning - smallholding

4. ATTACH THE FOLLOWING TO THE PERMIT APPLICATION

A. Locality plan - (1:50 000 scale) indicating location of property on site:
 1:50 000 scale topo-cadastral maps (maps showing natural and man-made features, as well as property boundaries of the particular area) are available from the: *

Relevant Local Authority; or
 *Department of Land Affairs Surveys and Land Information, Private Bag X10, MOWBRAY, 7705, Tel (021) 685 4070

B. Sketch plan or layout, indicating the following information: *

Property boundaries;
 *Location and/or site where activity is to be undertaken;
 *Nearest roads, structures (buildings) and servitudes (cables and pipes), including approximate dimensions;
 *Nearest features, and give approximate dimensions (watercourses, water bodies, shoreline, beaches, dunes, cliffs, rock outcrops, etc.)

Please see Appendix 1

C DETAILS OF THE ACTIVITY

1. DOES THE ACTIVITY INVOLVE:		
A	Mining	
B	An area below the high water mark	
C	The removal of protected trees	
D	Forestry	
E	Gardening (existing garden)	
F	Agricultural (existing lands)	

Protected trees present on the property will remain undisturbed during alien clearing efforts.

2. TYPE OF ACTIVITY:		
A	Disturbance of vegetation (clearing of alien invasive and moribund (dead) material)	X
B	Earthworks	
C	Dredging	
D	Dune stabilization	

3. IS THE ACTIVITY RELATED TO OR PART OF:			
A	A larger or phased development (housing etc.) (potentially)	YES	NO
B	Infrastructure (power lines, etc)	YES	NO
C	Other (specify)		

Part of the Langvlei Dunes agricultural smallholdings

4. IF THE ACTIVITY IS RELATED TO A LARGER OR PHASED DEVELOPMENT, IS THIS DEVELOPMENT:			
A	Residential (Single)	YES (rural occupation)	NO
B	Township (Sub-divisional)	YES	NO
C	Resort (mainly recreational)	YES	NO
D	Commercial and/or Industrial	YES	NO
E	Agricultural	YES (small holdings)	NO
F	Other (specify).....		

5. IF THE ACTIVITY IS PART OF A LARGER OR PHASED DEVELOPMENT, IS THIS DEVELOPMENT ONE OF THE ACTIVITIES IDENTIFIED IN GOVERNMENT NOTICE NR. 983, 984 and 985 (Listing Notices 1, 2 and 3) OF NEMA 2014 as amended 2017 AND CONTROLLED BY THE GENERAL ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF NEMA 2014.

If "Yes", describe: YES NO

The proposed activities do not trigger NEMA – the development approval predated ECA and NEMA and the NEMA thresholds are not exceeded for clearance of indigenous vegetation.

.....

6. WHAT IS THE EXTENT OF THE ACTIVITY

A	Disturbance of vegetation:		Alien invasive vegetation clearing will be done on the entire property and the removal of moribund vegetation.	AS REQUIRED
B	Earthworks:			
	area (length x width):	N/A		
	Volume (m ³)	N/A		
C	Dredging (m ²)	N/A		
	area (length x width) (m ²)			
D	Dune stabilization: area (length x width)(m ²)			

7.HAVE THERE BEEN PREVIOUS APPLICATIONS ON THE PROPERTY FOR:

A	A similar activity on a different part of the property	YES	NO
B	Any other activity (refer to question 2)	YES	NO
C	Provide details (if possible):		

8. WERE ANY PREVIOUS APPLICATIONS FOR ACTIVITIES ON THIS SITE TURNED DOWN:

YES	NO
-----	-----------

If "Yes", specify reason:

.....

9. HAVE THE FOLLOWING APPROVALS BEEN OBTAINED OR APPLIED FOR:

A	Building plans	YES	NO	N/A
C	Subdivision	YES	NO	N/A
B	Rezoning	YES	NO	N/A
D	Land-Use change	YES	NO	N/A

10. ARE THERE ANY TITLE DEED RESTRICTIONS ON THE PROPERTY

If "Yes", specify (or attach copy)	YES	NO
.....		
.....		

11. HAVE THERE BEEN ANY CONSULTATIONS REGARDING THE PROPOSED ACTIVITY OR DEVELOPMENT

A	With neighbours Neighbours and HOA - will be notified. Please refer to Appendix 2.	YES
B	Through the press	NO
C	Via public meetings	NO
D	None	NO
E	Other (AGM, Letters, emails & authorities) – Comment from Authorities has been requested	YES
In the process of circulating to SANParks, Cape Nature, WALEAF, DAFF, Wilderness Rate Payers Association and Langvlei Dunes Home Owners Association for comments		

12. HOW WILL THE ACTIVITY BE UNDERTAKEN

A	By hand (spade, saw, axe, etc) Drill	X
B	Light machinery (portable chainsaws, bush-cutters, etc)	X
C	Heavy machinery (tractors, excavators, bulldozers, graders, etc)	
D	Burning	
E	Blasting (explosive)	

13. SPECIFY THE FOLLOWING INFORMATION REGARDING THE PROPOSED ACTIVITY

A	Duration (time/period):	Clearing of alien and moribund vegetation - 2 year and <u>ongoing</u> follow up and maintenance Dependent on approval of application R unknown at this stage
B	Program (calendar)	
C	Financial value/scale:	
D	Other (specify).....	

14. IS THE WHOLE PROPERTY AFFECTED BY THE PROPOSED ACTIVITY

If "No" specify extent affected

YES	NO
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Alien clearing and removal of moribund vegetation will be done on the entire property

15. SPECIFY ANY OTHER COMMENTS OR ADDITIONAL INFORMATION RELEVANT TO THE PROPOSED ACTIVITY:

D	DETAILS OF THE DEVELOPMENT (WHERE APPLICABLE)
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NOTE: Where available, layout plans, details and any other relevant diagrams should accompany the application to illustrate the location of the development. Details of buildings, structures, services, infrastructures, floodlines and roads should also be provided, if available.

1. Services, boreholes, pipelines and outfalls

TYPE OF SERVICE	SOURCE	DESTINATION	PEAK FLOW	LENGTH OF PIPELINE	AVERAGE DEPTH	TRENCH WIDTH
Water			N/A			
Sewerage			N/A			
Storm Water			N/A			
Other (Specify)			N/A			

2. Cables, lines or structures (telecommunication, electrical, etc)

TYPE OF CABLES/LINES/STRUCTURES	UNDER-GROUND	OVER-HEAD	MATERIAL USED	LENGTH OF CABLE/LINE	DEPTH OF POSTS	HEIGHT OF POSTS	TRENCH WIDTH
A. Electricity				N/A			
B. Telecommunication				N/A			
C. Other (specify)				N/A			

3. Underground tanks

TYPE OF TANK	AREA	DEPTH	HEIGHT	CAPACITY
A. Septic tank				N/A
B. Conservancy tank				N/A
C. Storage tank				N/A
D Other (specify)				N/A

4. Retention facilities (dams, weirs, reservoirs, etc)

TYPE OF RETENTION FACILITY	AREA	DEPTH	HEIGHT	CAPACITY
A. Dam (pond)				N/A
B. Weir				N/A
C. Reservoir				N/A
D Other				N/A

5. Roads and surfaces

TYPE OF ROAD OR SURFACE	AREA	DEPTH	HEIGHT	MATERIALS USED
A Major road (local/regional/national)			N/A	
B Access road or farm track (existing) - Existing access road onto the property			N/A	
C Bridge			N/A	
D Parking area			N/A	
E Walkway or staircase Various footpaths are located on the property that are to be used for alien vegetation management Additional footpaths will be dictated by the clearing activities	Undetermined, will however be 0.5 m or less in width	N/A	N/A	Mulch
F Boardwalk			N/A	
G Other (specify)			N/A	

6. Structures or buildings

TYPE OF STRUCTURE ENVISAGED	AREA	ROOF (PITCH)	MATERIALS TO BE USED		
			ROOF	WALLS	OTHER STRUCTURES
A Accommodation			N/A		
B Storeroom /outbuilding			N/A		
C Industrial/ commercial			N/A		
D Agricultural			N/A		
E Recreational			N/A		
F Mast / pylon			N/A		
G Service (substation)			N/A		
H Other (specify)			N/A		

7. Boundary structures (walls, fences, etc.)

TYPE OF STRUCTURE	LENGTH	HEIGHT	MATERIALS USED
A. Wall		N/A	
B. Fences		N/A	
C. Other (specify)		N/A	

ADDITIONAL INFORMATION (IF AVAILABLE OR REQUIRED):

COMMENTS (OFFICE USE ONLY):

APPENDIX 1
Locality Map

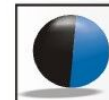


Figure 1: Locality Map of Portion 253 of Farm 192, Langvlei Dunes, Wilderness

Date: 11 November 2020
 Project No: 1075
 Drawn By: I. Delpont

Aerial Imagery - Surveyor General 2010
 Cadastral - Surveyor General 2019

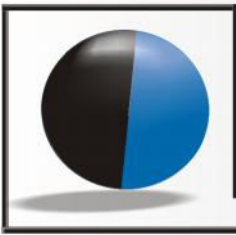
Projected Coordinate System: GS_1984_UTM_Zone_34S



HilLand Environmental
 Environmental Assessment Practitioners

166 Mount View, Victoria Heights
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 Western Cape, South Africa
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 Mobile: + 27 (0) 82 5586 589
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APPENDIX 2
Public Participation Process



HilLand Environmental

Environmental Assessment Practitioners

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WIL20/1075/0
13 November 2020

Dear Stakeholder / Interested and Affected Party,

BY Email

RE: OSCAE APPLICATION FOR THE CLEARANCE OF ALIEN INVASIVE AND MORIBUND (DEAD) VEGETATION ON PORTION 253 OF FARM 192, LANGVLEI DUNES, WILDERNESS

HilLand Environmental, independent Environmental Assessment Practitioners (EAPs), have been appointed by the applicant, **Mr. and Mrs. Martins**, to ensure compliance in terms of Section 21 of the Environmental Conservation Act for the disturbance, removal, or pruning of vegetation required in order to implement alien invasive plant control on Portion 253 of Farm 192, Langvlei Dunes, Wilderness.

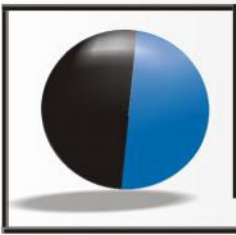
Enclosed herewith please find an electronic copy of the OSCAE application and associated appendices. The application will be available for comment from the **13th of November 2020** and closes within 30 days from its availability (**13 November 2020 - 14 December 2020**). Please provide your comments / concerns relating to the proposed clearing during the time frame, in written format via email or fax to the George Municipality (Nonelela Gqaleni ngqaleni@george.gov.za) and copied to HilLand Environmental. Please note you need to declare your interest in the above matter.

Please note - Should you require a site visit before the commenting period ends, HilLand Environmental can be contacted directly in order to arrange accordingly.

If you require any further information or assistance, please contact us on (044) 889 0229 (Tel), 086 542 5248 (fax) or Email: environmental2@hilland.co.za / admin@hilland.co.za.

Kind Regards,

Inge Delpart
for HilLand Environmental



HilLand Environmental

Environmental Assessment Practitioners

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WIL20/1075/0
13 November 2020

Dear Neighbouring Landowner,

BY Email

RE: OSCAE APPLICATION FOR THE CLEARANCE OF ALIEN INVASIVE AND MORIBUND (DEAD) VEGETATION ON PORTION 253 OF FARM 192, LANGVLEI DUNES, WILDERNESS

HilLand Environmental, independent Environmental Assessment Practitioners (EAPs), have been appointed by the applicant, **Mr. and Mrs. Martins**, to ensure compliance in terms of Section 21 of the Environmental Conservation Act for the disturbance, removal, or pruning of vegetation required in order to implement alien invasive plant control on Portion 253 of Farm 192, Langvlei Dunes, Wilderness.

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Kind Regards,

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