

REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

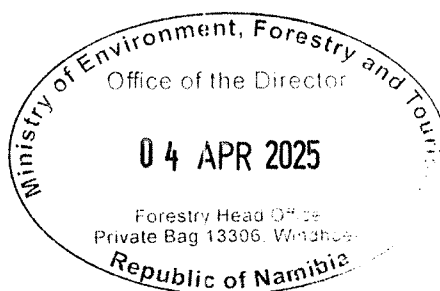
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Government Office Park
Luther Street, Windhoek,
Namibia

4 April 2025

TO: Mr T. Mufeti
Environmental Commissioner

FROM: Johnson Ndokosho
Director of Forestry



RE: ENDORSEMENT LETTER IN SUPPORT OF ECC APPLICATION FOR FARM MANAGEMENT UNIT (FMU) OKAKANGO NO. 187 (CONSISTS OF THE REMAINING PORTION OF PORTION B OF THE FARM OKAKANGO 187) IN OTJOZONDJUPA REGION FOR APPLICATION - 250320005544

The Directorate of Forestry (DOF) hereby endorses that the Forest and Environmental Management Plan (FEMP) on the remaining Portion of Portion B of the Farm Okakango 187 for Application - 250320005544, in Otjozondjupa Region, has fulfilled the requirements for bush thinning activities in line with the Forest Act and its regulations.

DOF therefore, endorses the application for the Environmental Clearance Certificate (ECC) for the above-mentioned farms.

3. Wood biomass

Disclaimer: Taking the accuracy from estimations into account, the user is advised to consult the accuracy percentage of the option used and down-scale the biomass accordingly with a reasonable percentage to secure the risk of variations due to over and under-estimations.

This includes all stems greater then 2cm up to 18cm in diameter **OPTIONAL**

Total biomass (kg DM/ha): **5789.66** Land size (ha) **7,243**
Total biomass (DM/land size): **41936.28** Tonnes

3.1. Woody thinning with resultant wood biomass

As a general rule of thumb: The Evapotranspiration Tree Equivalent (ETTE) should not exceed 9 - 11 times the long term average (preferably median) rainfall of an area. The Tree Equivalents (TE) should not exceed 1.5 - 3.5 times the long term average (preferably median) rainfall of an area.

		TE	ETTE
Average / Median rainfall	350	1.5	10
Rule of Thumb (TE) set @	1.5	x long-term average or median rainfall	

Wood yield available when thinning to desired TE & ETTE

Wood biomass (kg DM/ha): **4823.70** (DM/land size): **34939.50** Tonnes
TF/ha **3147** TF to be removed: **2622** /ha

3. Wood biomass

Disclaimer: Taking the accuracy from estimations into account, the user is advised to consult the accuracy percentage of the option used and down-scale the biomass accordingly with a reasonable percentage to secure the risk of variations due to over and under-estimations.

This includes all stems greater than 2cm up to 18cm in diameter **OPTIONAL**

Total biomass (kg DM/ha): **5462.91** Land size (ha) **7,243**
Total biomass (DM/land size): **39569.56** Tonnes

3.1. Woody thinning with resultant wood biomass

As a general rule of thumb: The Evapotranspiration Tree Equivalent (ETTE) should not exceed 9 - 11 times the long term average (preferably median) rainfall of an area. The Tree Equivalents (TE) should not exceed 1.5 - 3.5 times the long term average (preferably median) rainfall of an area.

		TE	ETTE
Average / Median rainfall	350	1.5	10
Rule of Thumb (TE) set @	1.5	x long-term average or median rainfall	

Wood yield available when thinning to desired TE & ETTE

Wood biomass (kg DM/ha): **4884.68** (DM/land size): **35381.25** Tonnes

TE/ha **4960** TE to be removed: **4435** /ha

3. Wood biomass

Disclaimer: Taking the accuracy from estimations into account, the user is advised to consult the accuracy percentage of the option used and down-scale the biomass accordingly with a reasonable percentage to secure the risk of variations due to over and under-estimations.

This includes all stems greater then 2cm up to 18cm in diameter **OPTIONAL**

Total biomass (kg DM/ha):	4818.22	Land size (ha)	7,243
Total biomass (DM/land size):	34899.87	Tonnes	

3.1. Woody thinning with resultant wood biomass

As a general rule of thumb: The Evapotranspiration Tree Equivalent (ETTE) should not exceed 9 - 11 times the long term average (preferably median) rainfall of an area. The Tree Equivalents (TE) should not exceed 1.5 - 3.5 times the long term average (preferably median) rainfall of an area.

		TE	ETTE
Average / Median rainfall	350	1.5	10
Rule of Thumb (TE) set @	1.5	x long-term average or median rainfall	

Wood yield available when thinning to desired TE & ETTE

Wood biomass (kg DM/ha):	4053.23	(DM/land size):	29358.81	Tonnes
TE/ha	3307	TE to be removed:	2782	/ha

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Data input

TH ONLY

TH (m)

1 S. mellifera1.00

2 S. mellifera1.50

3 S. mellifera2.00

4 S. mellifera2.00

5 S. mellifera2.00

6 S. mellifera2.00

7 S. mellifera2.00

8 S. mellifera2.50

9 S. mellifera2.50

10 S. mellifera3.00

11 D. cinerea1.00

12 D. cinerea1.00

13 D. cinerea1.50

14 D. cinerea1.50

15 D. cinerea2.00

16 D. cinerea2.00

17 D. cinerea2.00

18 D. cinerea2.00

19 D. cinerea2.00

20 D. cinerea2.00

21 D. cinerea2.00

22 D. cinerea2.00

23 D. cinerea2.50

24 D. cinerea2.50

25 D. cinerea2.50

26 D. cinerea2.50

27 D. cinerea2.50

28 D. cinerea2.50

29 D. cinerea2.50

Note:

Biomass is only estimated once measurements are recorded.
If species are entered without recorded measurements, the model can only make it part of the

Tree list

Species list

Code

T. sericeaT. ser

V. reficienceV. ref

S. melliferaS. mel

Other(Microphyllous)1

Other(Broad-leaved)2

A. flecki1

B. albitrunca2

E.namibiensis2

D. cinerea1

Enter code:
1 for Microphyllous plants
2 for Broad-leaved plants

[illegible]

ENTER DATA HERE									
Data input			TH ONLY						
No.	Species Name	TH (m)							
15	V. reficience	0.50							
16	V. reficience	1.00							
17	V. reficience	1.50							
18	V. reficience	3.50							
19	D. cinerea	0.50							
20	D. cinerea	1.00							
21	D. cinerea	1.50							
22	D. cinerea	1.50							
23	D. cinerea	1.50							
24	D. cinerea	2.00							
25	D. cinerea	2.00							
26	D. cinerea	2.00							
27	D. cinerea	2.00							
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31	D. cinerea	2.00							
32	D. cinerea	2.00							
33	D. cinerea	2.00							
34	D. cinerea	2.00							
35	D. cinerea	2.00							
36	D. cinerea	2.50							
37	D. cinerea	2.50							
38	D. cinerea	3.50							

Note:
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Enter code:
1 for Microphyllous plants
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Tree list

Species list

Code

