



REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

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Luther Street, Windhoek,
Namibia

12 February 2025

TO: Mr T. Mufeti
Environmental Commissioner

FROM: Johnson Ndokosho
Director of Forestry.



RE: ENDORSEMENT LETTER IN SUPPORT OF ECC APPLICATION FOR FARM SERENA NO. 221 AND 3 CAMPS FROM FARM HORTENSIA NO. 213 IN OTJOZONDJUPA REGION FOR APPLICATION - 5206

The Directorate of Forestry (DOF) hereby endorses that the Forest and Environmental Management Plan (FEMP) on farm Serena No. 221 and 3 Camps from farm Hortensia No. 213 for Application - 5206, in Otjozondjupa Region, has fulfilled the requirements for bush thinning activities in line with the Forest Act and its regulations.

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

Farm Size (ha):	3,167.75
Conservation Area (WPA)	358.41
WPA%	11.31
Excluded Areas	27.87
Certified Area	3,139.88
Total Production Area	2,781.47
Total Non-Production Area	386.28
Natural Forest Area	3,167.75
Natural Regenerated Forest Area (ES)	991.22

Project No:	09 104
Farm Name & No:	ena 221, Horsentia 213
Owner:	H Heinz
SLIMF/Non - SLIMF:	Non-SLIMF
Farm Workers (Average)	19
Average rainfall (mm)	350
Soil Type	Sand Loam
Latitude	-21.43341552
Longitude	17.48713224

NUMBER OF KILNS

	Average charcoal SLIMF Limit for the FMU (t/y)	Available for the FMU (Tons charcoal):	Sustainable (65%) for the FMU (Tons Charcoal):	Average Biomass SLIMF Limit for the FMU (t/y)	Available for the FMU (Tons biomass):	Sustainable (65%) for the FMU (Tons biomass):
Production to be removed on FMU	141.32	3,247.65	2,110.97	706.61	16,238.26	10,554.87
	Sustainable yield per year Assuming 5 Years of harvesting		422.19	Sustainable yield per year Assuming 5 Years of harvesting		2,110.97

YEAR: 2023

COLLECTOR		Date (D/M/Y)		14	March	2023				Date (D/M/Y)		14	March	2023				Date (D/M/Y)		14	March	2023											
Mariska		Site number				1				TE 1				TE 2				Site number				TE 2											
		ordinates (Decimal S								-21.45244722				17.50225556				ordinates (Decimal S				-21.45268611 17.50612778											
		Pre- / Post-harvest				Pre				Pre				Pre				Pre- / Post-harvest				Pre											
		Transect length (m)		50				mber of seedlings < 50 c						Transect length (m)		50						mber of seedlings < 50 c											
		Transect width (m)		5				24						Transect width (m)		5						24											
		Transect area (m²)		250				HCE Height Class Equivalent						Transect area (m²)		250						HCE Height Class Equivalent											
		S. mellifera	V. reficiens	V. Luedentzii	D. cinerea	C. mopane	T. seneca	Other acacias	Targeted Total HCE	Targeted Wood Estimates	Targeted Leaf Estimates (kg/ha)	Total Targeted TE											S. mellifera	V. reficiens	V. Luedentzii	D. cinerea	C. mopane	T. seneca	Other acacias	Targeted Total HCE	Targeted Wood Estimates	Targeted Leaf Estimates (kg/ha)	Total Targeted TE
0.5	Up to 0.5 m	3	15					6	24	4.42	2.50	8.00											3	15					6	24	4.42	2.50	8.00
1.0	0.5-1 m	2	2					5	9	1.66	0.94	6.00											2	2					5	9	1.66	0.94	6.00
1.5	1-1.5 m	1	1					1	3	2.90	0.95	3.00											1	1					1	3	2.90	0.95	3.00
2.0	1.5-2 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
2.5	2-2.5 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
3.0	2.5-3 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
3.5	3-3.5 m	1							1	26.51	2.61	2.33											1							1	26.51	2.61	2.33
4.0	3.5-4 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
4.5	4-4.5 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
5.0	4.5-5 m	1							1	60.34	3.91	3.33											1							1	60.34	3.91	3.33
6.0	5-6 m		1						1	192.82	7.21	4.00												1						1	192.82	7.21	4.00
7.0	6-7 m	3						1	4	2317.41	45.55	18.67											3					1	4	2317.41	45.55	18.67	
8.0	7-8 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
9.0	8-9 m								0	0.00	0.00	0.00																		0	0.00	0.00	0.00
0.5	wet-kg. <	10.80	54.00	0.00	0.00	0.00	0.00	21.60		86.40	12.96												10.80	54.00	0.00	0.00	0.00	0.00	21.60		86.40	12.96	
1.0	wet-kg. <	14.40	14.40	0.00	0.00	0.00	0.00	36.00		64.80	9.72												14.40	14.40	0.00	0.00	0.00	0.00	36.00		64.80	9.72	
1.5	wet-kg. <1	10.80	10.80	0.00	0.00	0.00	0.00	10.80		32.40	4.86												10.80	10.80	0.00	0.00	0.00	0.00	10.80		32.40	4.86	
2.0	wet-kg. <2	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
2.5	wet-kg. <2	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
3.0	wet-kg. <3	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
3.5	wet-kg. <3	25.20	0.00	0.00	0.00	0.00	0.00	0.00		25.20	3.78												25.20	0.00	0.00	0.00	0.00	0.00	0.00		25.20	3.78	
4.0	wet-kg. <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
4.5	wet-kg. <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
5.0	wet-kg. <5	36.00	0.00	0.00	0.00	0.00	0.00	0.00		36.00	5.40												36.00	0.00	0.00	0.00	0.00	0.00	0.00		36.00	5.40	
6.0	wet-kg. <6	0.00	43.20	0.00	0.00	0.00	0.00	0.00		43.20	6.48												0.00	43.20	0.00	0.00	0.00	0.00	0.00		43.20	6.48	
7.0	wet-kg. <7	151.20	0.00	0.00	0.00	0.00	0.00	50.40		201.60	30.24												151.20	0.00	0.00	0.00	0.00	0.00	50.40		201.60	30.24	
8.0	wet-kg. <8	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
9.0	wet-kg. <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00												0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	

YEAR: 2024

COLLECTOR		Date (D/M/Y)		24	9	2024		
Emily		Site number		Hotensia				
		Coordinates (Decimal S/E)						
		Pre- / Post-harvest	PRE TE 1					
		Transect length (m)	50			Number of seedlings < 50 cm:		
		Transect width (m)	2.5			8		
		Transect area (m²)	125			HCE	Height Class Equivalent	

		<i>S. mellifera</i>	<i>V. reficiens</i>	<i>V. Luedentzii</i>	<i>D. cinerea</i>	<i>C. mopane</i>	<i>T. senecio</i>	Other acacias	Targeted Total HCE	Targeted Wood Estimates	Targeted Leaf Estimates (kg/transect)	Total Targeted TE
0.5	Up to 0.5	8							8	1.47	0.83	2.67
1.0	0.5-1 m	2							2	0.37	0.21	1.33
1.5	1-1.5 m								0	0.00	0.00	0.00
2.0	1.5-2 m								0	0.00	0.00	0.00
2.5	2-2.5 m								0	0.00	0.00	0.00
3.0	2.5-3 m								0	0.00	0.00	0.00
3.5	3-3.5 m								0	0.00	0.00	0.00
4.0	3.5-4 m								0	0.00	0.00	0.00
4.5	4-4.5 m	2							2	120.68	7.82	6.00
5.0	4.5-5 m	1							1	60.34	3.91	3.33
6.0	5-6 m								0	0.00	0.00	0.00
7.0	6-7 m								0	0.00	0.00	0.00
8.0	7-8 m								0	0.00	0.00	0.00
9.0	8-9 m								0	0.00	0.00	0.00
0.5	wet-kg. <	28.80	0.00	0.00	0.00	0.00	0.00	0.00		28.80	4.32	
1.0	wet-kg. <	14.40	0.00	0.00	0.00	0.00	0.00	0.00		14.40	2.16	
1.5	wet-kg. <1	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
2.0	wet-kg. <2	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
2.5	wet-kg. <2	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
3.0	wet-kg. <3	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
3.5	wet-kg. <3	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
4.0	wet-kg. <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
4.5	wet-kg. <4	64.80	0.00	0.00	0.00	0.00	0.00	0.00		64.80	9.72	
5.0	wet-kg. <5	36.00	0.00	0.00	0.00	0.00	0.00	0.00		36.00	5.40	
6.0	wet-kg. <6	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
7.0	wet-kg. <7	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
8.0	wet-kg. <8	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
9.0	wet-kg. <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	