

Farm Size (ha):	6,268.80
Conservation Area (WPA)	1,015.01
WPA%	16.19
Excluded Areas	-
Certified Area	6,268.80
Total Production Area	5,253.79
Total Non-Production Area	1,015.01
Natural Forest Area	6,268.80
Natural Regenerated Forest Area (ES)	73.16

Project No:	09 104
Farm Name & No:	Brakwater 397
Owner:	Niklaas Mberirua
SLIMF/Non - SLIMF:	SLIMF
Farm Workers (Average)	12
Average rainfall (mm)	400
Soil Type	d, Calcrete and Schists
Latitude	-21.180706
Longitude	18.156522

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)
Production to be removed on FMU	924.96	21,256.16	13,816.50	4,624.79	106,280.80	69,082.52
	Sustainable yield per year Assuming 5 Years of harvesting		2,763.30	Sustainable yield per year Assuming 5 Years of harvesting		13,816.50

YEAR: 2023

COLLECTOR	Date (D/M/Y)	6	June	2023
Mariska	Site number	Pre TE 12023		
	ordinates (Decimal S	-21.19527222	18.13033889	
	Pre- / Post-harvest	Pre TE 12023		
	Transect length (m)	50	umber of seedlings < 50 c	
	Transect width (m)	4	0	
	Transect area (m²)	200	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/transect)	Total Targeted TE
0.5 Up to 0.5 m								0	0.00	0.00	0.00
1.0 0.5-1 m	1							1	0.18	0.10	0.67
1.5 1-1.5 m	1							1	0.97	0.32	1.00
2.0 1.5-2 m	1							1	0.97	0.32	1.33
2.5 2-2.5 m	2	2						4	26.23	4.59	6.67
3.0 2.5-3 m	1	4						5	32.79	5.74	10.00
3.5 3-3.5 m	4							4	106.02	10.44	9.33
4.0 3.5-4 m	2	5						7	185.54	18.26	18.67
4.5 4-4.5 m								0	0.00	0.00	0.00
5.0 4.5-5 m		1						1	60.34	3.91	3.33
6.0 5-6 m		3						3	578.45	21.64	12.00
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. < 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
1.0 wet-kg. < 1	7.20	0.00	0.00	0.00	0.00	0.00	0.00		7.20	1.08	
1.5 wet-kg. < 1	10.80	0.00	0.00	0.00	0.00	0.00	0.00		10.80	1.62	
2.0 wet-kg. < 2	14.40	0.00	0.00	0.00	0.00	0.00	0.00		14.40	2.16	
2.5 wet-kg. < 2	36.00	36.00	0.00	0.00	0.00	0.00	0.00		72.00	10.80	
3.0 wet-kg. < 3	21.60	86.40	0.00	0.00	0.00	0.00	0.00		108.00	16.20	
3.5 wet-kg. < 3	100.80	0.00	0.00	0.00	0.00	0.00	0.00		100.80	15.12	
4.0 wet-kg. < 4	57.60	####	0.00	0.00	0.00	0.00	0.00		201.60	30.24	
4.5 wet-kg. < 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
5.0 wet-kg. < 5	0.00	36.00	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		129.60	19.44	
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	

Date (D/M/Y)	6	June	2023
Site number	Pre TE 2 2023		
ordinates (Decimal S	-21.19440556	18.12961111	
Pre- / Post-harvest	Pre TE 2 2023		
Transect length (m)	50	number of seedlings < 50 cm	
Transect width (m)	4	3	
Transect area (m ²)	200	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/transect)	Total Targeted TE
0.5 Up to 0.5 m	3							3	0.55	0.31	1.00
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		1		1				2	1.93	0.63	2.67
2.5 2-2.5 m	1	1					1	3	19.67	3.44	5.00
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	1							1	26.51	2.61	2.67
4.5 4-4.5 m								0	0.00	0.00	0.00
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. < 1	10.80	0.00	0.00	0.00	0.00	0.00	0.00		10.80	1.62	
1.0 wet-kg. < 1	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	14.40	0.00	6.76	0.00	0.00	0.00		21.16	3.17	
2.5 wet-kg. < 2	18.00	18.00	0.00	0.00	0.00	0.00	18.00		54.00	8.10	
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	28.80	0.00	0.00	0.00	0.00	0.00	0.00		28.80	4.32	
4.5 wet-kg. < 4	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	
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	

	Date (D/M/Y)	6	June	2023
	Site number	Pre TE 3 2023		
	ordinates (Decimal S	-21.19561667		18.12581111
	Pre- / Post-harvest	Pre TE 3 2023		
	Transect length (m)	50		number of seedlings < 50 cm
	Transect width (m)	4		4
	Transect area (m ²)	200		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/transect)	Total Targeted TE
0.5 Up to 0.5 m	4							4	0.74	0.42	1.33
1.0 0.5-1 m	1							1	0.18	0.10	0.67
1.5 1-1.5 m								0	0.00	0.00	0.00
2.0 1.5-2 m				4			2	6	5.80	1.90	8.00
2.5 2-2.5 m	1			1				2	13.11	2.29	3.33
3.0 2.5-3 m	1			1				2	13.11	2.29	4.00
3.5 3-3.5 m								0	0.00	0.00	0.00
4.0 3.5-4 m	2			1				3	79.52	7.83	8.00
4.5 4-4.5 m	1	1						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	1							1	192.82	7.21	4.00
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. < 1	14.40	0.00	0.00	0.00	0.00	0.00	0.00		14.40	2.16	
1.0 wet-kg. < 1	7.20	0.00	0.00	0.00	0.00	0.00	0.00		7.20	1.08	
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	27.04	0.00	0.00	28.80		55.84	8.38	
2.5 wet-kg. < 2	18.00	0.00	0.00	8.45	0.00	0.00	0.00		26.45	3.97	
3.0 wet-kg. < 3	21.60	0.00	0.00	10.14	0.00	0.00	0.00		31.74	4.76	
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	57.60	0.00	0.00	13.52	0.00	0.00	0.00		71.12	10.67	
4.5 wet-kg. < 4	32.40	32.40	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	43.20	0.00	0.00	0.00	0.00	0.00	0.00		43.20	6.48	
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	

YEAR: 2024

COLLECTOR	Date (D/M/Y)	19	April	2024
Emily	Site number	K30		
	ordinates (Decimal S	-21.19796442	18.12926967	
	Pre- / Post-harvest	Pre TE124		
	Transect length (m)	50	Number of seedlings < 50 cm	
	Transect width (m)	2.5	5	
	Transect area (m²)	125	HCE	Height Class Equivalent

	S. mellifera	V. reficiens	V. Luedentzii	D. cinerea	C. mopane	T. senecio	Other acacias	Targeted Total HCE	Targeted Wood Estimates	Targeted Leaf Estimates (kg/transect)	Total Targeted TE
0.5 Up to 0.5 m	1	2		2				5	0.92	0.52	1.67
1.0 0.5-1 m		2						2	0.37	0.21	1.33
1.5 1-1.5 m	1							1	0.97	0.32	1.00
2.0 1.5-2 m								0	0.00	0.00	0.00
2.5 2-2.5 m		3		2				5	32.79	5.74	8.33
3.0 2.5-3 m								0	0.00	0.00	0.00
3.5 3-3.5 m		6						6	159.04	15.65	14.00
4.0 3.5-4 m								0	0.00	0.00	0.00
4.5 4-4.5 m		3						3	181.02	11.73	9.00
5.0 4.5-5 m								0	0.00	0.00	0.00
6.0 5-6 m		5						5	964.08	36.07	20.00
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, <	3.60	7.20	0.00	3.38	0.00	0.00	0.00		14.18	2.13	
1.0 wet-kg, < 1	0.00	14.40	0.00	0.00	0.00	0.00	0.00		14.40	2.16	
1.5 wet-kg, <1	10.80	0.00	0.00	0.00	0.00	0.00	0.00		10.80	1.62	
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	54.00	0.00	16.90	0.00	0.00	0.00		70.90	10.64	
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	151.20	0.00	0.00	0.00	0.00	0.00		151.20	22.68	
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	0.00	97.20	0.00	0.00	0.00	0.00	0.00		97.20	14.58	
5.0 wet-kg, <5	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
6.0 wet-kg, <6	0.00	####	0.00	0.00	0.00	0.00	0.00		216.00	32.40	
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	

-21.19796442, 18.12926967

	Date (D/M/Y)	19	April	2024
	Site number	K30		
	ordinates (Decimal S	-21.19550383	18.12132161	
	Pre- / Post-harvest	Pre TE2 24		
	Transect length (m)	50	Number of seedlings < 50 cm	
	Transect width (m)	2.5	2	
	Transect area (m²)	125	HCE	Height Class Equivalent

	S. mellifera	V. reficiens	V. Luedentzii	D. cinerea	C. mopane	T. senecio	Other acacias	Targeted Total HCE	Targeted Wood Estimates	Targeted Leaf Estimates (kg/transect)	Total Targeted TE
# Up to 0.5 m				2				2	0.37	0.21	0.67
# 0.5-1 m								0	0.00	0.00	0.00
# 1-1.5 m	3	3						6	5.80	1.90	6.00
# 1.5-2 m								0	0.00	0.00	0.00
# 2-2.5 m				2				2	13.11	2.29	3.33
# 2.5-3 m	3	2						5	32.79	5.74	10.00
# 3-3.5 m								0	0.00	0.00	0.00
# 3.5-4 m	3							3	79.52	7.83	8.00
# 4-4.5 m								0	0.00	0.00	0.00
# 4.5-5 m	6							6	362.05	23.45	20.00
# 5-6 m		3						3	578.45	21.64	12.00
# 6-7 m	3							3	1738.06	34.16	14.00
# 7-8 m								0	0.00	0.00	0.00
# 8-9 m								0	0.00	0.00	0.00
# wet-kg, <	0.00	0.00	0.00	3.38	0.00	0.00	0.00		3.38	0.51	
# wet-kg, < 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
# wet-kg, <1	32.40	32.40	0.00	0.00	0.00	0.00	0.00		64.80	9.72	
# wet-kg, <2	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
# wet-kg, <2	0.00	0.00	0.00	16.90	0.00	0.00	0.00		16.90	2.54	
# wet-kg, <3	64.80	43.20	0.00	0.00	0.00	0.00	0.00		108.00	16.20	
# wet-kg, <3	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
# wet-kg, <4	86.40	0.00	0.00	0.00	0.00	0.00	0.00		86.40	12.96	
# wet-kg, <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
# wet-kg, <5	####	0.00	0.00	0.00	0.00	0.00	0.00		216.00	32.40	
# wet-kg, <6	0.00	####	0.00	0.00	0.00	0.00	0.00		129.60	19.44	
# wet-kg, <7	151.20	0.00	0.00	0.00	0.00	0.00	0.00		151.20	22.68	
# wet-kg, <8	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
# wet-kg, <4	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	