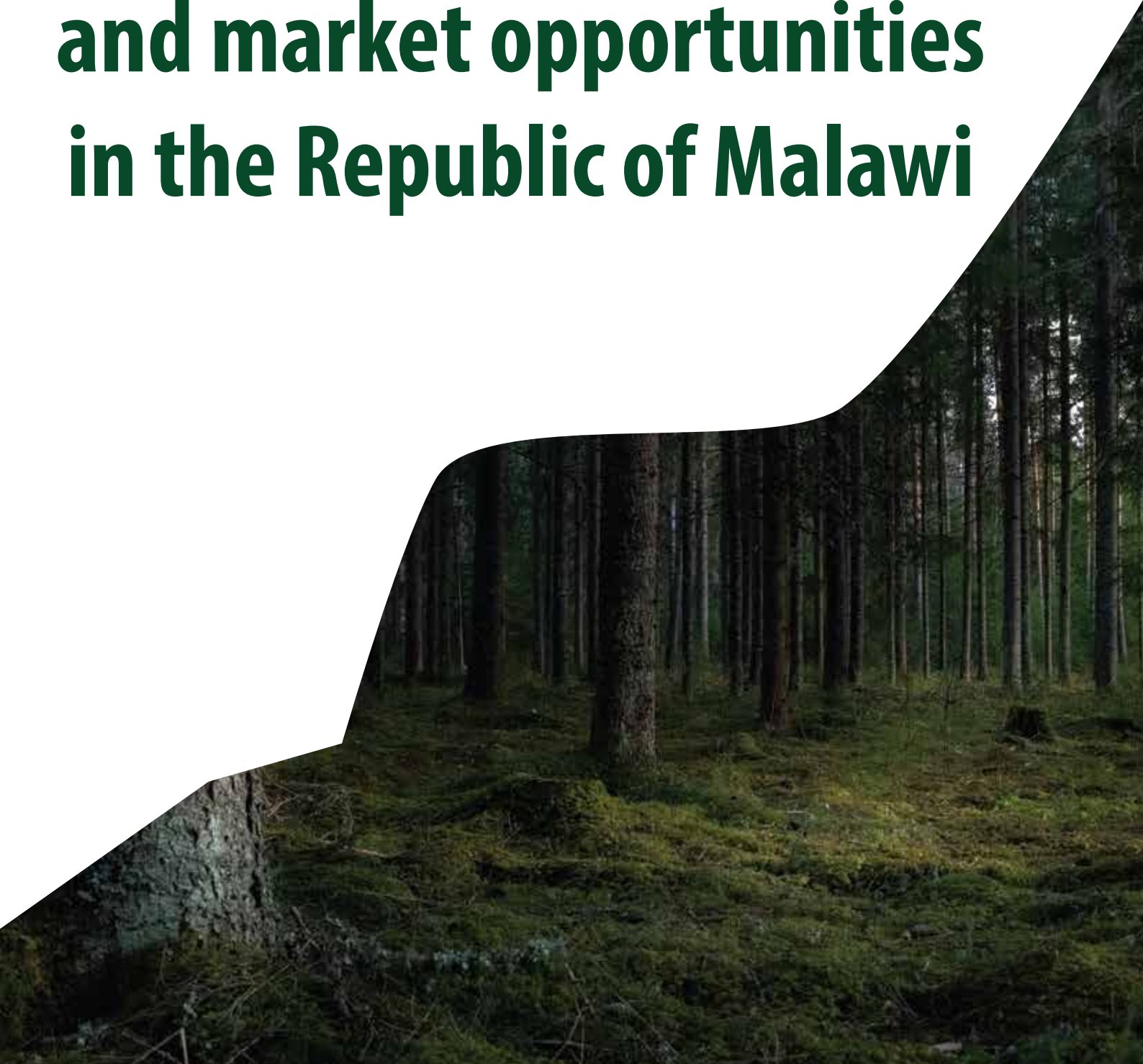




Africa
Business Forum 2023
Making Carbon Markets Work for Africa



Key carbon sequestration and market opportunities in the Republic of Malawi



A LIST OF SOME IDENTIFIED MEGA FARMS

A. List of government/customary land identified for mega farms

1. Name of the farm: Nthola-Ihora-Ngosi Rice mega farm; 1000 ha – Karonga
2. Dwambazi Livestock mega farm; 5000 ha – Mzimba/Nkhotakota
3. Samama Soya Irrigation mega farm; 800 ha – Mangochi
4. Linga Rice Irrigation mega farm; 1000 ha – Nkhatabay
5. Chipoka Cotton mega farm and ginnery; 120 ha – Salima
6. Utali irrigation soya or rice mega farm; 250 ha - Balaka
7. Gada MDF-APU mega farm for maize and livestock; 1,654 ha – Mchinji
8. Likhubula Irrigation scheme for soya or beans; 410 ha – gravity fed irrigation all systems in place except intake that requires repair – Chikwawa
9. Chonde – Thuchila EPA government; 50 ha – suitable for dairy as it is just next to chonde milk bulking group. Access to electricity
10. Mikolongwe government; 1,000 hectares - Chiradzulu
11. Thuchila Farm Institute; 900 ha idle land – Beef and goat production
12. Nthiramanja scheme; 6316 ha – Mulanje
13. Nkawinda irrigation scheme (Lirangwe); 200 ha – Blantyre
14. Mtengula irrigation scheme (possible wheat); 500 ha – Neno
15. Lifuwu (Rice); 12,000 ha - Salima
16. Mbalachanda (Spearhead); 24,000ha - Mzimba
17. Bwanje (Spearhead): 11,000ha – Ntcheu

B. List of private mega farms requesting government support

This is as a result of the expression of interest that was advertised earlier in the year around July 2022

1. Africa Village Produce Investment; 600 ha – Malomo, Ntchisi
2. Katoto Farm (Soya); 500 ha – Mbalachanda, Mzimba
3. Nkhokwe & Chiwali (Soya); 250 ha - Neno
4. Oleca Goat production; 100 ha – Mzuzu
5. Devine Enterprise (Soya); 100 ha – Kasungu

| PLANTATIONS, FOREST RESERVES, NATIONAL PARKS AND GAME RESERVES IN MALAWI (2023) | | | | | |
|---|----------------|--------------------|---------------|---------------------|---|
| No. | PLANTATION | AREA (Hectares) | TYPE | DISTRICT | Total Estimated Revenue Per Annum (USD) ¹ |
| NORTHERN REGION | | | | | |
| 1 | Lusangazi | 8 083,20 | Timber (Pine) | Mzimba | 2 537 720,64 |
| 2 | Mazamba | 5 897,00 | Timber (Pine) | Nkhatabay | 1 851 363,15 |
| 3 | Nthungwa | 8 798,10 | Timber (Pine) | Mzimba & Nkhata-bay | 2 762 163,50 |
| 4 | Chikangawa | 6 831,50 | Timber (Pine) | Mzimba & Nkhata-bay | 2 144 749,43 |
| 5 | Kalungulu | 7 637,80 | Timber (Pine) | Mzimba & Nkhata-bay | 2 397 887,31 |
| 6 | Luwawa | 8 912,20 | Timber (Pine) | Mzimba | 2 797 985,19 |
| 7 | Champhoyo | 6 534,60 | Timber (Pine) | Mzimba & Nkhata-bay | 2 051 537,67 |
| | | 52 694,40 | | | 16 543 406,88 |
| CENTRAL REGION | | | | | |
| 8 | Kaombe | 1 004,31 | Timber | Ntchisi | 315 303,12 |
| 9 | Ntchisi | 28,2 | Timber | Ntchisi | 8 853,39 |
| 10 | Dzalanayama | 1 486,71 | Timber (Pine) | Lilongwe | 466 752,60 |
| 11 | Katete | 3 204,00 | Pole/Fuelwood | Lilongwe | 1 005 895,80 |
| 12 | Chongoni | 3 811,00 | Timber (Pine) | Dedza | 1 196 463,45 |
| 13 | Dedza Mountain | 1 883,37 | Timber (Pine) | Dedza | 591 284,01 |
| 14 | Dzonzi-Mvai | 3 164,32 | Timber (Pine) | Ntcheu | 993 438,26 |
| 15 | Ngala | 1 150,14 | Pole/Fuelwood | Dowa | 361 086,45 |
| 16 | Dowa Hills | 462,7 | Pole/Fuelwood | Dowa | 145 264,67 |
| | | 16 194,75 | | | 5 084 341,76 |

¹ Average price of carbon: USD35/metric ton

| SOUTHERN REGION | | | | | |
|-----------------|----------------------|------------------|------------------|----------|---------------------|
| 17 | Nauko | 3 000,67 | Pole/Fuelwood | Machinga | 942 060,35 |
| 18 | Zomba Mountain | 5 084,84 | Timber (Pine) | Zomba | 1 596 385,52 |
| 20 | Michiru | 4 236,80 | Timber/Pole/Fuel | Blantyre | 1 330 143,36 |
| 21 | Chigumula | 3 431,00 | Timber (Pine) | Blantyre | 1 077 162,45 |
| 22 | Chambe | 579,2 | Timber (Pine) | Mulanje | 181 839,84 |
| 23 | Likhubula | 575 | Timber (Pine) | Mulanje | 180 521,25 |
| 24 | Eastern Outer Slopes | 1 252,60 | Timber (Pine) | Mulanje | 393 253,77 |
| 25 | Fort Lister | 3 430,80 | Timber (Pine) | Phalombe | 1 077 099,66 |
| 26 | Thuchira | 1 945,30 | Pole/Fuelwood | Mulanje | 610 726,94 |
| 27 | Nanchidwa | 2 585,31 | Pole/Fuelwood | Mulanje | 811 658,07 |
| 28 | Amalika | 500 | Pole/Fuelwood | Thyolo | 156 975,00 |
| 29 | Milare | 85 | Pole/Fuelwood | Blantyre | 26 685,75 |
| | | 26 706,52 | | | 8 384 511,95 |
| Total | | 95 595,67 | | | |

Source: Department of Forestry

| GAZETTED FOREST RESERVES IN MALAWI | | | | | |
|------------------------------------|--------------------------|-----------------|-------------------------|-------------------|---------------|
| NO. | RESERVE | AREA (Hectares) | AREA (Km ²) | DISTRICT | |
| NORTHERN REGION | | | | | |
| 1 | Mughese | 769,40 | 7,69 | Chitipa | 241 553,13 |
| 2 | Matipa | 1 051,10 | 10,51 | Chitipa | 329 992,85 |
| 3 | Wilindi | 862,30 | 8,62 | Chitipa | 270 719,09 |
| 4 | Mafinga Hills | 5 184,10 | 51,84 | Chitipa | 1 627 548,20 |
| 5 | Musisi | 6 827,20 | 68,27 | Chitipa | 2 143 399,44 |
| 6 | Mahowe | 5 916,80 | 59,17 | Chitipa | 1 857 579,36 |
| 7 | Chikhang'ombe | 592,10 | 5,92 | Chitipa | 185 889,80 |
| 8 | Jembya | 13 764,00 | 137,64 | Chitipa | 4 321 207,80 |
| 9 | Vinthukutu | 2 213,20 | 22,13 | Karonga | 694 834,14 |
| 10 | Karonga North Escarpment | 7 907,60 | 79,08 | Karonga | 2 482 591,02 |
| 11 | Karonga South Escarpment | 13 050,20 | 130,50 | Karonga | 4 097 110,29 |
| 12 | Uzumara | 754,40 | 7,54 | Rumphi | 236 843,88 |
| 13 | Bunganya | 3 395,30 | 33,95 | Rumphi | 1 065 954,44 |
| 14 | Mtangatanga | 9 117,00 | 91,17 | Mzimba | 2 862 282,15 |
| 15 | Perekezi | 15 741,50 | 157,42 | Mzimba | 4 942 043,93 |
| 16 | South Viphya | 157 728,00 | 1577,28 | Mzimba/Nkhata-Bay | 49 518 705,60 |

| | | | | | |
|-----------------------|------------------------|-------------------|----------------|------------------|----------------------|
| 17 | Kaning'ina | 15 207,90 | 152,08 | Nkhata-Bay | 4 774 520,21 |
| 18 | Kalwe | 174,50 | 1,75 | Nkhata-Bay | 54 784,28 |
| 19 | Nkuwadzi | 1 704,90 | 17,05 | Nkhata-Bay | 535 253,36 |
| 20 | Chisasira | 2 453,30 | 24,53 | Nkhata-Bay | 770 213,54 |
| 21 | Kawiya | 643,90 | 6,44 | Nkhata-Bay | 202 152,41 |
| 22 | Ruvuo | 4 792,90 | 47,93 | Nkhata-Bay | 1 504 730,96 |
| 23 | Kuwilwe | 661,50 | 6,62 | Nkhata-Bay | 207 677,93 |
| | | 270 513,10 | 2705,13 | | 84 927 587,75 |
| CENTRAL REGION | | | | | |
| 24 | Dwambazi | 76 309,60 | 763,10 | Nkhotakota/ | 23 957 398,92 |
| | | - | | Nkhata-Bay | |
| 25 | Chimaliro | 16 078,70 | 160,79 | Kasungu/ Mzimba | - |
| 26 | Kaombe | 7 028,90 | 70,29 | Ntchisi | 5 047 907,87 |
| 27 | Ntchisi | 9 475,90 | 94,76 | Ntchisi | 2 206 723,16 |
| 28 | Mdirasadzu | 15 500,00 | 155,00 | Ntchisi | 2 974 958,81 |
| 29 | Ngara | 2 192,00 | 21,92 | Dowa | 4 866 225,00 |
| 30 | Kongwe | 2 651,10 | 26,51 | Dowa | 688 178,40 |
| 31 | Dowa Hills | 2 353,10 | 23,53 | Dowa | 832 312,85 |
| 32 | Mchinji | 19 971,00 | 199,71 | Mchinji | 738 755,75 |
| 33 | North Senga Hills | 1 184,30 | 11,84 | Salima | 6 269 895,45 |
| 34 | South Senga Hills | 493,80 | 4,94 | Salima | 371 810,99 |
| 35 | Dedza - Salima Escarp. | 38 261,70 | 382,62 | Salima/ Dedza | 155 028,51 |
| 36 | Thuma | 18 874,50 | 188,75 | Salima/ Lilongwe | 12 012 260,72 |
| 37 | Mua - Livulezi | 13 366,10 | 133,66 | Salima/Dedza | 5 925 649,28 |
| 38 | Mua - Tsanya | 1 041,20 | 10,41 | Salima/Dedza | 4 196 287,10 |
| 39 | Msitolengwe | 98,20 | 0,98 | Dedza | 326 884,74 |
| 40 | Dzenza | 1 160,10 | 11,60 | Dedza | 30 829,89 |
| 41 | Chongoni | 12 755,50 | 127,56 | Dedza | 364 213,40 |
| 42 | Dedza Mountain | 3 240,30 | 32,40 | Dedza | 4 004 589,23 |
| 43 | Nalikule | 51,30 | 0,51 | Lilongwe | 1 017 292,19 |
| 44 | Dzalanyama | 98 909,40 | 989,09 | Lilongwe/DZ/MC | 16 105,64 |
| 45 | Chirobwe | 1 068,60 | 10,69 | Ntcheu | 31 052 606,13 |
| 46 | Bangwe | 4 248,30 | 42,48 | Ntcheu | 335 486,97 |
| 47 | Mvai | 4 292,90 | 42,93 | Ntcheu | 1 333 753,79 |
| 48 | Dzonzi | 6 621,70 | 66,22 | Ntcheu | 1 347 755,96 |
| | | 357 228,20 | 3572,28 | | 86 115 511,76 |

| SOUTHERN REGION | | | | | |
|-----------------|----------------------|-----------|--------|----------------|---------------|
| 49 | Namizimu | 83 554,20 | 835,54 | Mangochi | 26 231 841,09 |
| 50 | Nkopola | 56,70 | 0,57 | Mangochi | 17 800,97 |
| 51 | Phirilongwe | 15 275,80 | 152,76 | Mangochi | 4 795 837,41 |
| 52 | Mangochi Palm | 501,10 | 5,01 | Mangochi | 157 320,35 |
| 53 | Mangochi | 40 239,10 | 402,39 | Mangochi | 12 633 065,45 |
| 54 | Liwonde | 28 459,70 | 284,60 | Machinga | 8 934 922,82 |
| 55 | Malosa | 11 017,70 | 110,18 | Machinga | 3 459 006,92 |
| 56 | Zomba Mountain | 7 412,20 | 74,12 | Zomba | 2 327 060,19 |
| 57 | Chiradzulu | 1 554,20 | 15,54 | Chiradzulu | 487 941,09 |
| 58 | Malabvi | 237,30 | 2,37 | Chiradzulu | 74 500,34 |
| 59 | Sambani | 153,60 | 1,54 | Mulanje | 48 222,72 |
| 60 | Mulanje Mountain | 56 944,90 | 569,45 | Mulanje | 17 877 851,36 |
| 61 | Thuchila | 1 853,90 | 18,54 | Mulanje | 582 031,91 |
| 62 | Michiru | 3 966,60 | 39,67 | Blantyre | 1 245 314,07 |
| 63 | Ndirande | 1 528,90 | 15,29 | Blantyre | 479 998,16 |
| 64 | Mudi | 41,70 | 0,42 | Blantyre | 13 091,72 |
| 65 | Kanjedza | 221,30 | 2,21 | Blantyre | 69 477,14 |
| 66 | Soche Hill | 391,40 | 3,91 | Blantyre | 122 880,03 |
| 67 | Chigumula | 591,10 | 5,91 | Blantyre | 185 575,85 |
| 68 | Milare | 61,00 | 0,61 | Blantyre | 19 150,95 |
| 69 | Amalika | 520,00 | 5,20 | Thyolo | 163 254,00 |
| 70 | Thyolo Mountain | 835,30 | 8,35 | Thyolo | 262 242,44 |
| 71 | Lichenya | 343,80 | 3,44 | Thyolo | 107 936,01 |
| 72 | Masambanjati | 108,30 | 1,08 | Thyolo | 34 000,79 |
| 73 | Thyolomwani | 927,30 | 9,27 | Thyolo | 291 125,84 |
| 74 | Kalulu Hills | 2 586,50 | 25,87 | Thyolo/ Nsanje | 812 031,68 |
| 75 | Tsamba | 3 479,50 | 34,80 | Mwanza | 1 092 389,03 |
| 76 | Thambani | 5 031,70 | 50,32 | Mwanza | 1 579 702,22 |
| 77 | Phirilanjoka | 276,00 | 2,76 | Mwanza | 86 650,20 |
| 78 | Nankwazi Hill | 100,00 | 1,00 | Mwanza | 31 395,00 |
| 79 | Zaka Hill | 56,00 | 0,56 | Mwanza | 17 581,20 |
| 80 | Michiru | 1 448,00 | 14,48 | Mwanza | 454 599,60 |
| 81 | Twiti Mountain | 1 032,00 | 10,32 | Neno | 323 996,40 |
| 82 | Masatwe Hill | 7 388,00 | 73,88 | Neno | 2 319 462,60 |
| 83 | Neno Eastern Escarp. | 6 844,00 | 68,44 | Neno | 2 148 673,80 |

| | | | | | |
|--------------|---------------|-------------------|----------------|--------|----------------------|
| 84 | Mkanya Hill | 316,00 | 3,16 | Neno | 99 208,20 |
| 85 | Mlindi Hill | 688,00 | 6,88 | Neno | 215 997,60 |
| 86 | Nkula/Tedzani | 3 092,00 | 30,92 | Neno | 970 733,40 |
| 87 | Matandwe | 28 915,10 | 289,15 | Nsanje | 9 077 895,65 |
| 88 | Masenjere | 27 600,00 | 276,00 | Nsanje | |
| | | 345 649,90 | 3456,50 | | 99 851 766,11 |
| TOTAL | | 973 391,20 | 9733,91 | | |

Source: Department of Forestry

NATIONAL PARKS IN MALAWI

| No. | NATIONAL PARK | AREA (Hectares) | AREA (Km ²) | TYPE | |
|--------------|-----------------------|-------------------|-------------------------|---------------------------|--------------------|
| 1 | Nyika National Park | 320 000,00 | 3200,00 | Wildlife & Natural Forest | 100 464 000 |
| 2 | Kasungu National Park | 220 000,00 | 2200,00 | Wildlife & Natural Forest | 69 069 000 |
| 3 | Liwonde National Park | 57 000,00 | 570,00 | Wildlife & Natural Forest | 17 895 150 |
| 4 | Lengwe National Park | 70 000,00 | 700,00 | Wildlife & Natural Forest | 21 976 500 |
| TOTAL | | 667 000,00 | 6670,00 | | 209 404 650 |

Source: Department of Parks and Wildlife (February, 2023)

NATIONAL PARKS IN MALAWI

| No. | NATIONAL PARK | AREA (Hectares) | AREA (Km ²) | TYPE | |
|--------------|------------------------------|---------------------|-------------------------|---------------------------|-----------------------|
| 1 | Vwaza Marsh Wildlife Reserve | 90 000,00 | 900,00 | Wildlife & Natural Forest | 28 255 500 |
| 2 | Nkhotakota Wildlife Reserve | 180 000,00 | 1800,00 | Wildlife & Natural Forest | 56 511 000 |
| 3 | Majete Wildlife Reserve | 90 000,00 | 900,00 | Wildlife & Natural Forest | 28 255 500 |
| 4 | Mwabvi Wildlife Reserve | 17 000,00 | 170,00 | Wildlife & Natural Forest | 5 337 150 |
| TOTAL | | 377 000,00 | 3770,00 | | 118 359 150 |
| TOTAL | | 1 044 000,00 | 10440,00 | | 628 670 926,20 |

Source: Department of Parks and Wildlife (February, 2023)



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