

**A Survey of Bird Species within Sacred Groves in *Combretum*-Wooded
Grassland in Makueni, Kenya**



**Compiled by
Munywoki Justus Mulinge**

Project Update 41639-B

September, 2024

Photo Cover: Cabanis's Greenbul (*Phyllastrephus cabanisi*), a forest specialist bird recorded in one of the Sacred Groves within the study area.

A Survey of Bird Species within Sacred Groves in *Combretum*-Wooded Grassland in Makueni, Kenya

An ornithological survey was conducted across 13 sacred groves within the study area, including Kwa Syuvinda, Nthukuni, Ka Ndoo, Kimiisya, Kwa Sammy, Matoi Mystical Cave, Kwa Mundu, Kwa Ngoloma, Kwa Kavyiu, Kwa Mbaa Kithuma, Kwa Mutweiti, Kwa Nzii, and Tuwaa. It is important to note that among these sacred sites, only four—Kwa Nzii, Nthukuni, Kimiisya, and Ka Ndoo—are situated within protected forests, specifically in Nzau (Kwa Nzii) and Makuli (Nthukuni, Kimiisya, and Ka Ndoo).

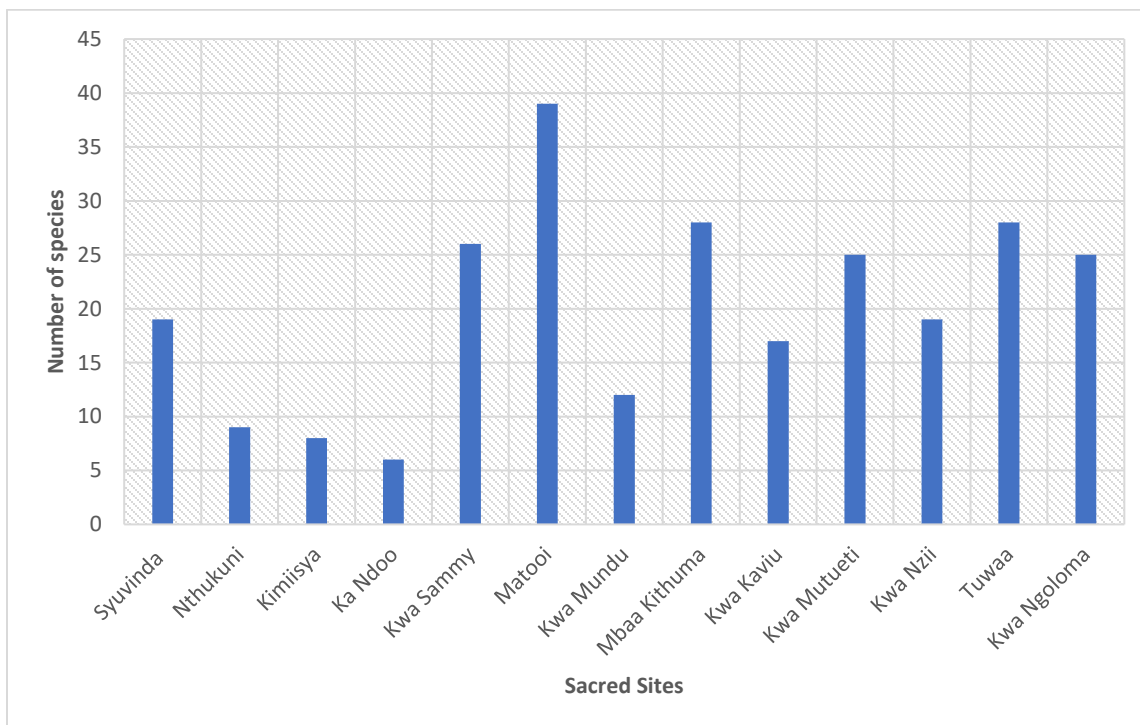


FIGURE 1: Number of bird species recorded per sacred site.

Bird species richness

A total of 76 bird species were recorded across the 13 sacred sites. Matoi had the highest species diversity, with 39 species documented. This was followed by Tuwaa and Kwa Mba Kithuma, each recording 28 species. In contrast, Ka Ndoo recorded the lowest species count with just 6 species, followed by Kimiisya with 8 species and Nthukuni with 9 species. The lower species count at these sites is likely attributed to their location within a plantation forest dominated by Eucalyptus trees, which may not support as diverse a bird population.

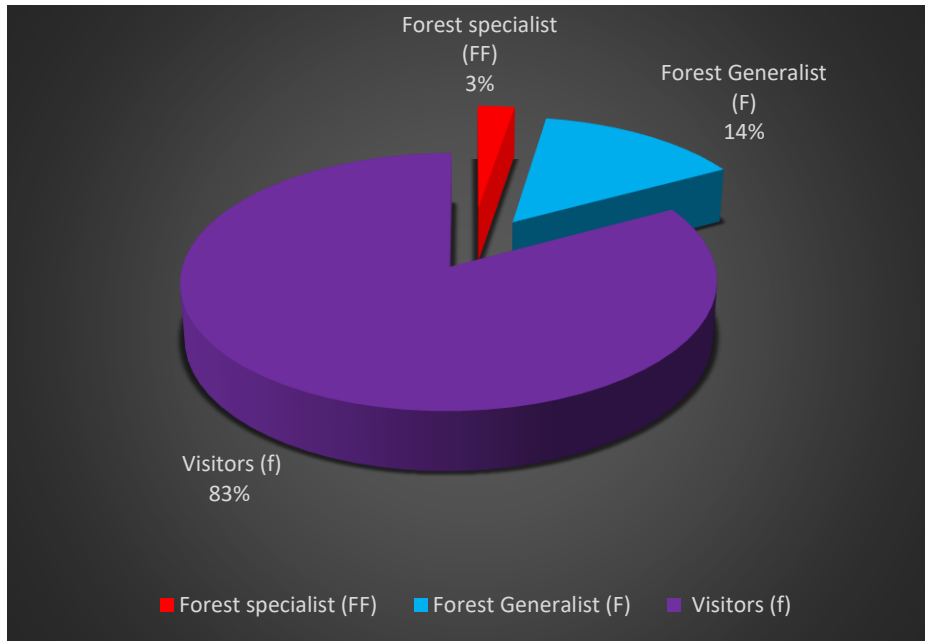


FIGURE 2: Proportions of Forest specialists, Forest Generalist and Forest visitors within the surveyed sacred sites.

Forest Dependency

This classification system categorized bird species into three groups: forest specialists (FF), forest generalists (F), and forest visitors (f), based on the criteria established by Bennun *et al.*, (1996). Forest specialists are species that rely heavily on relatively intact, undisturbed forests for their survival. These birds typically inhabit the forest interior and are the most vulnerable to disappearance when the forest is significantly altered. In contrast, forest generalists are species that can thrive not only in undisturbed forests but also in forest strips, edges, and gaps. It is important to note that both forest specialists and forest generalists rely on forests for breeding. Lastly, forest visitors are species that occasionally occur in forests but are more commonly found in other habitats, such as moist woodlands and thickets. Since they do not depend on forests for survival, they are more resilient and can persist even if the forest habitat is entirely lost.

We recorded two forest specialists, accounting for 3% of the total: Cabanis's Greenbul (*Phyllastrephus cabanisi*) and the Crowned Eagle (*Stephanoaetus coronatus*). We also identified eleven forest generalists, comprising 14% of the species recorded. These included the African Paradise Flycatcher (*Terpsiphone viridis*), Abyssinian White-eye (*Zosterops abyssinicus*), Black Sparrowhawk (*Accipiter melanoleucus*), Sombre Greenbul (*Andropadus importunes*), Northern Brownbul (*Phyllastrephus strepitans*), Pale White-eye (*Zosterops flavilateralis*), Collared Sunbird (*Hedydipna collaris*), Yellow-breasted Apalis (*Apalis flavida*), Emerald-spotted Wood Dove (*Turtur chalcospilos*), Cape Robin-Chat (*Cossypha caffra*), and Rüppell's Robin-Chat (*Cossypha semirufa*). The remaining 83% of the species recorded were classified as forest visitors.

Conservation significance

The globally threatened, Kenyan endemic, Hinde's babbler (*Turdoides hindei*) was sighted in Matooi and Mbaa Kithuma sacred sites. According to Birdlife International (2023), it has been assumed extinct beyond Machakos and Kitui. However, two groups were recently recorded beyond Machakos at Makongo and Makuli in Makueni (Malombe *et al.*, 2012). Further, a more recent (2023) rapid survey by ornithologists from Nature Kenya (NK) and National Museums of Kenya (NMK) recorded their sightings at Nthangu and Nzau hill thus confirming their occurrence beyond Makongo in Makueni county.



Photo Credit: Alex Syingi

FIGURE 3: Threatened (IUCN) Hinde's babbler recorded in two sacred sites

1. Syu vinda Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1	<i>Cossypha heuglini</i>	White-browed Robin-Chat	f	1
2	<i>Malaconotus blanchoti</i>	Grey-headed Bushshrike	f	1
3	<i>Terpsiphone viridis</i>	African Paradise Flycatcher	F	1
4	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
5	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	13
6	<i>Streptopelia semitorquata</i>	Red-eyed Dove	f	2
7	<i>Accipiter melanoleucus</i>	Black Sparrowhawk	F	1
8	<i>Cichladusa guttata</i>	Spotted Palm Thrush	f	1
9	<i>Bostrychia hagedash</i>	Hadada Ibis	f	2

10	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	f	4
11	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	f	3
12	<i>Andropadus importunus</i>	Sombre Greenbul	F	1
13	<i>Uraeginthus bengalus</i>	Red-cheeked Cordon-bleu	f	1
14	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	f	4
15	<i>Lonchura cucullata</i>	Bronze Mannikin	f	10
16	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
17	<i>Corvus albus</i>	Pied Crow	f	2
18	<i>Phyllastrephus strepitans</i>	Northern Brownbul	F	6
19	<i>Laniarius funebris</i>	Slate-colored Boubou	f	2
TOTAL				57

2. Nthukuni Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1	<i>Batis molitor</i>	Chin-spot Batis	f	1
2	<i>Zosterops flavilateralis</i>	Pale White-eye	F	4
3	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
4	<i>Dryoscopus cubla</i>	Black-backed Puffback	f	1
5	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
6	<i>Tricholaema diademata</i>	Red-fronted Barbet	f	1
7	<i>Pycnonotus barbatus</i>	Common Bulbul	f	3
8	<i>Laniarius major</i>	Tropical Boubou	f	4
9	<i>Terpsiphone viridis</i>	African Paradise Flycatcher	f	1
TOTAL				17

3. Kimiisya Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1	<i>Zosterops flavilateralis</i>	Pale White-eye	F	6
2	<i>Laniarius major</i>	Tropical Boubou	f	4
3	<i>Cinnyris venustus</i>	Variable Sunbird	f	2
4	<i>Dryoscopus cubla</i>	Black-backed Puffback	f	2
5	<i>Iduna natalensis</i>	African Yellow Warbler	f	1
6	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
7	<i>Cossypha heuglini</i>	White-browed Robin-Chat	f	1
8	<i>Ploceus baglafaecht</i>	Baglafaecht Weaver	f	1
TOTAL				18

4. Kandoo Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1	<i>Dryoscopus cubla</i>	Black-backed Puffback	F	1
2	<i>Cinnyris venustus</i>	Variable Sunbird	F	1
3	<i>Zosterops flavilateralis</i>	Pale White-eye	F	4
4	<i>Laniarius major</i>	Tropical Boubou	F	6
5	<i>Batis molitor</i>	Chinspot Batis	F	2
6	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	F	2
TOTAL				16

5. Kwa Sammy Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1	<i>Andropadus importunus</i>	Sombre Greenbul	F	2
2	<i>Lamprotornis chalybaeus</i>	Greater Blue-eared Starling	F	1
3	<i>Crithagra sulphurata</i>	Brimstone Canary	F	2
4	<i>Halcyon leucocephala</i>	Grey-headed Kingfisher	F	1
5	<i>Cichladusa guttata</i>	Spotted Palm Thrush	F	2
6	<i>Estrilda astrild</i>	Common Waxbill	F	6
7	<i>Ploceus baglafecht</i>	Baglafecht Weaver	F	3
8	<i>Scopus umbretta</i>	Hamerkop	F	1
9	<i>Pternistis leucoscepus</i>	Yellow-necked Spurfowl	F	1
10	<i>Laniarius funebris</i>	Slate-colored Boubou	F	1
11	<i>Hedydipna collaris</i>	Collared Sunbird	F	2
12	<i>Chrysococcyx klaas</i>	Klaas's Cuckoo	F	1
13	<i>Apalis flavida</i>	Yellow-breasted Apalis	F	1
14	<i>Merops pusillus</i>	Little Bee-eater	F	1
15	<i>Turdus tephronotus</i>	Bare-eyed Thrush	F	1
16	<i>Cinnyris venustus</i>	Variable Sunbird	F	2
17	<i>Tricholaema lacrymosa</i>	Spot-flanked Barbet	F	1
18	<i>Indicator indicator</i>	Greater Honeyguide	F	1
19	<i>Cisticola cantans</i>	Singing Cisticola	F	1
19	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	F	1
20	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	2
21	<i>Zosterops flavilateralis</i>	Pale White-eye	F	6
22	<i>Campethera nubica</i>	Nubian Woodpecker	F	1
23	<i>Streptopelia semitorquata</i>	Red-eyed Dove	F	1
24	<i>Cossypha caffra</i>	Cape Robin-Chat	F	1
25	<i>Pycnonotus barbatus</i>	Common Bulbul	F	3

26	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	F	4
TOTAL				50

6. Matooi Mystical Cave

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUALS
1.	<i>Dryoscopus cubla</i>	Black-backed Puffback	F	1
2.	<i>Apalis flavida</i>	Yellow-breasted Apalis	F	1
3.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	F	6
4.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	F	2
5.	<i>Cinnyris venustus</i>	Variable Sunbird	F	1
6.	<i>Colius striatus</i>	Speckled Mousebird	F	4
7.	<i>Pycnonotus barbatus</i>	Common Bulbul	F	3
8.	<i>Laniarius funebris</i>	Slate-colored Boubou	F	1
9.	<i>Cossypha caffra</i>	Cape Robin-Chat	F	1
10.	<i>Coccygia quartinia</i>	Yellow-bellied Waxbill	F	1
11.	<i>Turdoides hindei</i>	Hinde's Babbler	F	2
12.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	1
13.	<i>Pogoniulus pusillus</i>	Red-fronted Tinkerbird	F	1
14.	<i>Apus affinis</i>	Little Swift	F	1
15.	<i>Falco biarmicus</i>	Lanner Falcon	F	4
16.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	F	6
17.	<i>Bostrychia hagedash</i>	Hadada Ibis	F	2
18.	<i>Tachymarpis aequatorialis</i>	Mottled Swift	F	20
19.	<i>Chlorophoneus sulfureopectus</i>	Orange-breasted Bushshrike	F	1
20.	<i>Colius striatus</i>	Speckled Mousebird	F	4
21.	<i>Laniarius funebris</i>	Slate-colored Boubou	F	1
22.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	F	3
23.	<i>Pternistis leucoscepus</i>	Yellow-necked Spurfowl	F	2
24.	<i>Cisticola cantans</i>	Singing Cisticola	F	1
25.	<i>Lanius humeralis</i>	Northern Fiscal	F	1
26.	<i>Dryoscopus cubla</i>	Black-backed Puffback	F	1
27.	<i>Apalis flavida</i>	Yellow-breasted Apalis	F	1
28.	<i>Cinnyris venustus</i>	Variable Sunbird	F	1
29.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	F	2
30.	<i>Merops pusillus</i>	Little Bee-eater	F	1
31.	<i>Andropadus importunus</i>	Sombre Greenbul	F	9
32.	<i>Phyllastrephus strepitans</i>	Northern Brownbul	F	7
33.	<i>Pycnonotus barbatus</i>	Common Bulbul	F	3

34.	<i>Uraeginthus ianthinogaster</i>	Purple Grenadier	F	1
35.	<i>Crithagra sulphurata</i>	Brimstone Canary	F	4
36.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	F	1
37.	<i>Laniarius major</i>	Tropical Boubou	F	3
38.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	2
39.	<i>Cecropis daurica</i>	Red-rumped Swallow	F	12
TOTAL				119

7. Kwa Mundu

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
1.	<i>Cossypha semirufa</i>	Rüppell's Robin Chat	F	1
2.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
3.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	f	1
4.	<i>Tchagra senegalus</i>	Black-crowned Tchagra	f	1
5.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	4
6.	<i>Uraeginthus bengalus</i>	Red-cheeked Cordon-bleu	f	4
7.	<i>Merops pusillus</i>	Little Bee-eater	f	2
8.	<i>Bostrychia hagedash</i>	Hadada Ibis	f	2
9.	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
10.	<i>Pternistis leucoscepus</i>	Yellow-necked Spurfowl	f	1
11.	<i>Laniarius funebris</i>	Slate-colored Boubou	f	4
12.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	1
TOTAL				23

8. Kwa Mbaa Kithuma

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
1.	<i>Andropadus importunus</i>	Sombre Greenbul	F	1
2.	<i>Turdus tephronotus</i>	Bare-eyed Thrush	F	1
3.	<i>Prinia subflava</i>	Tawny-flanked Prinia	F	1
4.	<i>Batis molitor</i>	Chin-spot Batis	F	1
5.	<i>Dryoscopus cuba</i>	Black-backed Puffback	F	1
6.	<i>Crithagra reichenowi</i>	Reichenow's Seedeater	F	1
7.	<i>Spilopelia senegalensis</i>	Laughing Dove	F	1
8.	<i>Ploceus baglafaecht</i>	Baglafaecht Weaver	F	1
9.	<i>Lanius humeralis</i>	Northern Fiscal	F	1
10.	<i>Lybius leucocephalus</i>	White-headed Barbet	F	4
11.	<i>Chalcomitra senegalensis</i>	Scarlet-chested Sunbird	F	1
12.	<i>Colius striatus</i>	Speckled Mousebird	F	2

13.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	F	2
14.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	1
15.	<i>Pternistis leucoscepus</i>	Yellow-necked Spurfowl	F	1
16.	<i>Uraeginthus bengalus</i>	Red-cheeked Cordon-bleu	F	2
17.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	F	1
18.	<i>Laniarius major</i>	Tropical Boubou	F	2
19.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	1
20.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	F	4
21.	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	F	1
22.	<i>Cichladusa guttata</i>	Spotted Palm Thrush	F	1
23.	<i>Turdoides hindei</i>	Hinde's Babbler	F	1
24.	<i>Laniarius funebris</i>	Slate-colored Boubou	F	4
25.	<i>Bostrychia hagedash</i>	Hadada Ibis	F	3
26.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	F	1
27.	<i>Pycnonotus barbatus</i>	Common Bulbul	F	1
28.	<i>Cinnyris venustus</i>	Variable Sunbird	F	1
TOTAL				43

9. Kwa Kaviu Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
1.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	6
2.	<i>Colius striatus</i>	Speckled Mousebird	f	1
3.	<i>Lanius humeralis</i>	Northern Fiscal	f	1
4.	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	f	3
5.	<i>Ploceus baglafecht</i>	Baglafecht Weaver	f	2
6.	<i>Andropadus importunus</i>	Sombre Greenbul	F	1
7.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
8.	<i>Ptyonoprogne fuligula</i>	Rock Martin	f	1
9.	<i>Laniarius funebris</i>	Slate-colored Boubou	f	1
10.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	f	3
11.	<i>Psalidoprocne albiceps</i>	White-headed Saw-wing	f	3
12.	<i>Bostrychia hagedash</i>	Hadada Ibis	f	2
13.	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
14.	<i>Tchagra senegalus</i>	Black-crowned Tchagra	f	1
15.	<i>Cichladusa guttata</i>	Spotted Palm Thrush	f	1
16.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	1
17.	<i>Pycnonotus barbatus</i>	Common Bulbul	f	4
TOTAL				33

10. Kwa Mutueti sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
1.	<i>Chalcomitra senegalensis</i>	Scarlet-chested Sunbird	f	1
2.	<i>Malaconotus blanchoti</i>	Grey-headed Bushshrike	F	1
3.	<i>Colius striatus</i>	Speckled Mousebird	f	2
4.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	f	2
5.	<i>Crinifer leucogaster</i>	White-bellied Go-away-bird	f	1
6.	<i>Phyllastrephus strepitans</i>	Northern Brownbul	f	1
7.	<i>Dryoscopus cubla</i>	Black-backed Puffback	f	1
8.	<i>Prinia subflava</i>	Tawny-flanked Prinia	f	4
9.	<i>Buteo augur</i>	Augur Buzzard	f	1
10.	<i>Merops pusillus</i>	Little Bee-eater	f	1
11.	<i>Corvus albus</i>	Pied Crow	f	2
12.	<i>Oriolus larvatus</i>	Black-headed Oriole	f	1
13.	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
14.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	2
15.	<i>Indicator variegatus</i>	Scaly-throated Honeyguide	f	1
16.	<i>Pogoniulus pusillus</i>	Red-fronted Tinkerbird	f	1
17.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	2
18.	<i>Pycnonotus barbatus</i>	Common Bulbul	f	6
19.	<i>Cichladusa guttata</i>	Spotted Palm Thrush	f	1
20.	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	f	3
21.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	f	1
22.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	f	3
23.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
24.	<i>Lybius leucocephalus</i>	White-headed Barbet	f	4
25.	<i>Spilopelia senegalensis</i>	Laughing Dove	f	1
TOTAL				45

11. Kwa Nzwii Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
1.	<i>Indicator variegatus</i>	Scaly-throated Honeyguide	f	1
2.	<i>Tricholaema lacrymosa</i>	Spot-flanked Barbet	f	1
3.	<i>Phyllastrephus cabanisi</i>	Cabanis's Greenbul	FF	2
4.	<i>Phyllastrephus strepitans</i>	Northern Brownbul	F	2
5.	<i>Merops pusillus</i>	Little Bee-eater	f	1
6.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	1
7.	<i>Andropadus importunus</i>	Sombre Greenbul	F	1
8.	<i>Terpsiphone viridis</i>	African Paradise Flycatcher	F	1

9.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
10.	<i>Melaenornis microrhynchus</i>	African Grey Flycatcher	f	1
11.	<i>Cisticola chiniana</i>	Rattling Cisticola	f	1
12.	<i>Stephanoaetus coronatus</i>	Crowned Eagle	FF	1
13.	<i>Pycnonotus barbatus</i>	Common Bulbul	f	2
14.	<i>Dryoscopus cubla</i>	Black-backed Puffback	f	1
15.	<i>Laniarius funebris</i>	Slate-colored Boubou	f	1
16.	<i>Batis molitor</i>	Chinspot Batis	f	3
17.	<i>Cossypha semirufa</i>	Rüppell's robin-chat	f	1
18.	<i>Laniarius major</i>	Tropical Boubou	f	2
TOTAL				24

1. Tuwaa Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
2.	<i>Tricholaema lacrymosa</i>	Spot-flanked Barbet	f	1
3.	<i>Zosterops abyssinicus</i>	Abyssinian White-eye	F	7
4.	<i>Indicator variegatus</i>	Scaly-throated Honeyguide	f	1
5.	<i>Dryoscopus cubla</i>	Black-backed Puffback	f	1
6.	<i>Corvus albus</i>	Pied Crow	f	2
7.	<i>Pternistis leucoscepus</i>	Yellow-necked Spurfowl	f	1
8.	<i>Buteo augur</i>	Augur Buzzard	f	1
9.	<i>Prinia subflava</i>	Tawny-flanked Prinia	f	1
10.	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	f	1
11.	<i>Laniarius funebris</i>	Slate-colored Boubou	f	1
12.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	4
13.	<i>Trachyphonus erythrocephalus</i>	Red-and-yellow Barbet	f	1
14.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	f	1
15.	<i>Cossypha semirufa</i>	Rüppell's Robin-Chat	f	1
16.	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
17.	<i>Phyllastrephus strepitans</i>	Northern Brownbul	F	1
18.	<i>Ploceus baglafecht</i>	Baglafecht Weaver	f	1
19.	<i>Uraeginthus ianthinogaster</i>	Purple Grenadier	f	1
20.	<i>Tchagra senegalus</i>	Black-crowned Tchagra	f	1
21.	<i>Cossypha caffra</i>	Cape Robin-Chat	F	1
22.	<i>Bostrychia hagedash</i>	Hadada Ibis	f	1
23.	<i>Colius striatus</i>	Speckled Mousebird	f	1
24.	<i>Cisticola cantans</i>	Singing Cisticola	f	1
25.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
26.	<i>Cichladusa guttata</i>	Spotted Palm Thrush	f	1

27.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	f	1
28.	<i>Andropadus importunus</i>	Sombre Greenbul	F	1
29.	<i>Pycnonotus barbatus</i>	Common Bulbul	f	4
TOTAL				41

13. Kwa Ngoloma Sacred Grove

S/No	SCIENTIFIC NAME	COMMON NAME	FOREST DEPENDENCE	INDIVIDUAL
30.	<i>Cisticola chiniana</i>	Rattling Cisticola	f	1
31.	<i>Tricholaema lacrymosa</i>	Spot-flanked Barbet	f	1
32.	<i>Uraeginthus bengalus</i>	Red-cheeked Cordon-bleu	f	2
33.	<i>Cinnyris venustus</i>	Variable Sunbird	f	1
34.	<i>Turtur chalcospilos</i>	Emerald-spotted Wood Dove	F	1
35.	<i>Prinia subflava</i>	Tawny-flanked Prinia	f	2
36.	<i>Campethera nubica</i>	Nubian Woodpecker	f	1
37.	<i>Pycnonotus barbatus</i>	Common Bulbul	f	1
38.	<i>Camaroptera brevicaudata</i>	Grey-backed Camaroptera	f	1
39.	<i>Streptopelia semitorquata</i>	Red-eyed Dove	f	1
40.	<i>Colius striatus</i>	Speckled Mousebird	f	3
41.	<i>Batis molitor</i>	Chinspot Batis	f	1
42.	<i>Spilopelia senegalensis</i>	Laughing Dove	f	1
43.	<i>Bostrychia hagedash</i>	Hadada Ibis	f	2
44.	<i>Cichladusa guttata</i>	Spotted Palm Thrush	f	1
45.	<i>Trachyphonus darnaudii</i>	D'Arnaud's Barbet	f	1
46.	<i>Dicrurus adsimilis</i>	Fork-tailed Drongo	f	1
47.	<i>Lamprotornis chalybaeus</i>	Greater Blue-eared Starling	f	5
48.	<i>Lybius leucocephalus</i>	White-headed Barbet	f	1
49.	<i>Sylvietta whytii</i>	Red-faced Crombec	f	2
50.	<i>Terpsiphone viridis</i>	African Paradise Flycatcher	f	2
51.	<i>Upupa africana</i>	African Hoopoe	f	1
52.	<i>Pogoniulus pusillus</i>	Red-fronted Tinkerbird	f	1
53.	<i>Lamprotornis superbus</i>	Superb Starling	f	9
54.	<i>Plocepasser mahali</i>	White-browed Sparrow-Weaver	f	13
TOTAL				56