

Appendix 3. Frequency of species occurrence in each cultural functional group.

	Visual Traits	Negative Visual and Traits	Movement and Ecological Traits	Place Association and Abundance Indicators	Behavioural Traits	Common Traits
Acacia Pied Barbet	2	1	8			
African Barred Owlet	2	19	6		10	
African Black Crake	6	3	4	1	1	6
African Black Duck	5	8	5			9
African Black Oystercatcher	9	11	7		5	2
African Black Swift	1	13	5		1	3
African Cuckoo	2	28	17			1
African Darter	4	9	9	1	3	3
African Dusky Flycatcher		7	5	1	3	
African Firefinch	5	2	27	2		1
African Fish Eagle	9	6	7	1	15	4
African Goshawk	4	11	12	1	17	2
African Green Pigeon	2	2	11	1	2	1
African Grey Hornbill	6	5	13	1	1	1
African Harrier-hawk		3	3		7	1
African Hawk-Eagle	4	9	10		15	1
African Hoopoe	8	4	21		1	4
African Jacana	5	5	2		3	5
African Marsh Harrier	1	2	5	1	3	4
African Olive Pigeon	2	10	15	2		2
African Openbill	1	9	2		1	2
African Palm Swift	2	21	14	2	2	3
African Paradise Flycatcher	5	11	33		2	3
African Pied Wagtail	8	2	11	3		16
African Pipit		7	7	1		1
African Quailfinch		5	13		4	
African Reed Warbler	9	6	7		1	2
African Rock Pipit	4	21	13	2		3
African Sacred Ibis		1	1	1		
African Snipe	5	7	3		4	3
African Spoonbill	10	3	3	1	5	4
African Stonechat	2	8	43		2	4
African Swamphen	16	3	11	1	2	5
Agulhas Long-billed Lark	4	8	7	1	1	
Alpine Swift	2	6	5	2	4	1
Amethyst Sunbird	11	2	10	3	15	2
Amur Falcon		11	9	1	10	1
Ant-eating Chat	2	7	7		2	2
Arrow-marked Babbler		13	12	1	1	
Ashy Flycatcher	1	9	5	1	5	1

Ashy Tit	1	8	10		2	
Banded Martin		8	8		4	
Bank Cormorant	7	6	2		3	2
Barlow's Lark	1	10	18	2	1	1
Barn Owl	3	16	5	2	12	2
Barn Swallow	1	7	12	6	3	3
Barratt's Warbler	7	23	13	1	1	4
Barred Wren-Warbler	1	10	6	1		1
Bar-throated Apalis			1			1
Bateleur	3	3	13		11	1
Bearded Vulture		16	5	1	6	2
Bearded Woodpecker	5	8	13	1	1	7
Bennett's Woodpecker	6	5	3			6
Black Cuckoo		8	8	2		
Black Cuckooshrike	2	8	17			1
Black Harrier	1	4	5	2	20	2
Black Saw-wing	1	17	4			
Black-backed Puffback	1	2	18			1
Black-bellied Bustard	4	6	8			2
Black-bellied Starling	1	5	14	1	1	1
Black-chested Prinia	4	13	5	3	1	
Black-chested Snake-Eagle			3		2	1
Black-collared Barbet	4	2	10	2	1	1
Black-crowned Tchagra	3	4	18		2	
Black-eared Sparrowlark	3	16	11	2	1	
Black-faced waxbill	3	2	20		1	
Black-headed Canary		4	13	3	2	
Black-headed Heron	2	1	2	1	6	2
Black-headed Oriole	4		10	1		1
Black-necked Grebe	7	9	1		1	
Black-shouldered Kite	2	5	4	1	11	3
Blacksmith Lapwing	7	3	7	2		7
Black-throated Canary	3	12	11			
Black-winged Lapwing	2	5	5	5	2	1
Black-winged Stilt	2	2	1		4	4
Blue Crane	2	5	11	1		4
Blue Korhaan	5	6	8			6
Blue Waxbill	4	1	14	1		2
Blue-mantled Crested Flycatcher	3	3	9	1	3	1
Bokmakierie	2	2	3			
Booted Eagle		7	2		14	2
Bradfield's Swift	1	16	2			1
Brimstone Canary	4	9	18	3	3	1
Broad-billed Roller	1	3	15		1	
Bronze Mannikin	3	8	23	1		

Brown Scrub-Robin	8	8	14	2	2	5
Brown Snake Eagle		18	8		21	1
Brown-crowned Tchagra	3	4	12			3
Brown-headed Parrot		7	13			
Brown-hooded Kingfisher	5	5	3		8	1
Brown-throated Martin		17	19	2	1	1
Brubru	1	10	10		1	
Buff-spotted Flufftail	6	15	11	1		7
Buff-streaked Chat	1	3	18		1	1
Buffy Pipit		10	7	1	1	2
Burchell's Coucal	5	3	5	1		
Burchell's Sandgrouse	4	5	2		1	7
Burchell's Starling	1	4	13	1		1
Burnt-necked Eremomela	4	9	9			2
Bushveld Pipit	4	19	8			3
Cape Batis	9	4	16	2	1	1
Cape Bunting	4		7	1		
Cape Canary	4	3	14	4		
Cape Clapper Lark	2	2	15	2		
Cape Cormorant	7	5	5	5	4	5
Cape Crow	4	24	1	7	4	1
Cape Gannet	8	6	2	1	3	5
Cape Glossy Starling	8	4	10	2		
Cape Grassbird	7	11	7	1		1
Cape Long-billed Lark	4	5	5			
Cape Longclaw	2	5	15		1	2
Cape Penduline Tit	4	10	12	1		1
Cape Rock Thrush	4		6			1
Cape Shoveler	12	8	4		3	3
Cape Siskin	6	7	22			2
Cape Sparrow	3		4			1
Cape Spurfowl	8	11	15	15	2	10
Cape Sugarbird	20	7	13	4	12	3
Cape Teal	8	3	1	1	2	10
Cape Vulture	2	14	3	1	7	1
Cape Wagtail	3	7	6	3		8
Cape Weaver	3	3	4	1		1
Cape White-eye	5	2	1	4		
Capped Wheatear	1	3	9	1	2	
Cardinal Woodpecker	6	9	11		1	16
Cattle Egret	7	3	4	6	3	
Chat Flycatcher	2	3	4	2	3	
Chestnut-banded Plover	6	4	2		1	14
Chestnut-vented Tit-Babbler	4	14	25			1
Chinspot Batis	5	3	9	3	2	
Chorister Robin-Chat	2		13	1	2	2

Cinnamon-breasted Bunting	1	1	6	1		
Cloud Cisticola	4	4	14		1	2
Collared Pratincole	4	6	8	1	1	2
Collared Sunbird	7		4		6	4
Common Buzzard	2	4	2	2	8	2
Common Cuckoo	4	9	11		1	
Common Greenshank	6	2	5		5	7
Common House Martin		4	5	3	1	1
Common Moorhen	8	5	3	6	1	4
Common Myna		9	15	2		
Common Ostrich	5	4	3	5		12
Common Quail	6	18	15	7	2	13
Common Ringed Plover	3	2	6	1		8
Common Sandpiper	6	5	3	2	4	2
Common Scimitarbill	2	6	5		7	
Common Starling	1	14	11	11	2	
Common Swift	2	6	2	5	3	1
Common Tern	8	4	5	3	1	1
Common Waxbill	1	1	14	1	2	1
Coqui Francolin	7	15	8	2		8
Crested Barbet	4	5	24	2	1	1
Crested Francolin	4	3	1	5		7
Crested Guineafowl	2	5	5	8	1	7
Crimson-breasted Shrike	8	4	14		2	
Crowned Cormorant	5	8	4			3
Crowned Hornbill	2	5	7	2	3	
Crowned Lapwing	3	4	8	1		12
Curlew Sandpiper	10	3	1	1	2	2
Cut-throat Finch	3	5	21		2	1
Dark Chanting Goshawk	1	4	5	1	8	1
Dark-backed Weaver	3	3	10			1
Dark-capped Bulbul	3	5	15	7		1
Denham's Bustard	6	6	2			5
Desert Cisticola	6	3	9		2	
Dickinson's Kestrel	2	5	4		11	
Diederik Cuckoo	4	3	11		1	2
Double-banded Courser	7	4	11	1	1	7
Double-banded Sandgrouse	1	9	4			6
Drakensberg Prinia	2	10	6	1		1
Dusky Indigobird		2	14	1	2	1
Dusky Lark		4	11	1	1	3
Dusky Sunbird	6	4	3	1	7	
Eastern Clapper Lark	3	8	13			
Eastern Long-billed Lark	1	10	9	1		1
Eastern Nicator	3	13	24			
Emerald-spotted Wood Dove	8	7	24	3	2	3

Eurasian Golden Oriole	3	9	8			
European Bee-eater	2	2	13		5	1
European Honey Buzzard	1	6	11		9	1
European Roller	4	2	34		1	2
Fairy Flycatcher	3	2	10	2	4	1
Familiar Chat	2	9	11		1	8
Fawn-coloured Lark	1	14	9			3
Fiery-necked Nightjar	3	10	7		1	1
Fiscal Flycatcher		1	1		1	1
Flappet Lark	4	18	6	6		2
Forest Buzzard	1	10	7	1	12	
Forest Canary	14	2	16	6	2	1
Fork-tailed Drongo	3	10	4	2	1	
Gabar Goshawk	1	13	8		14	
Giant Kingfisher	1	6	5		15	1
Golden-breasted Bunting	5	2	29	1	2	3
Golden-tailed Woodpecker	6	7	16		3	11
Goliath Heron	7	12	4		4	9
Gorgeous Bushshrike	5	5	37	1	3	2
Great Egret	6	7	4	3	7	6
Great Reed Warbler	1	10	13	2		1
Great Sparrow	2	2	15	5	1	1
Great Spotted Cuckoo	3	4	12		1	2
Greater Blue-eared Starling	1	3	15	2	1	
Greater Double-collared Sunbird	12		6		4	
Greater Flamingo	5	3	3		2	
Greater Honeyguide	3	10	5		2	1
Greater Kestrel		3	3		10	
Greater Striped Swallow	2	2	12	3	1	
Green Wood Hoopoe	5		17		1	3
Green-backed Camaroptera	3	5	9		2	1
Green-backed Heron	6	8	4		4	3
Green-capped Eremomela	2	10	18		1	
Green-winged Pytilia	2	2	18		1	1
Grey Cuckooshrike	3	10	11			1
Grey Go-away Bird	6	5	8	3		
Grey Heron	12	6	3	1	11	6
Grey Penduline Tit	13	1	7	1	2	1
Grey Plover	6	1	4	1	1	7
Grey Sunbird	1	5	5	2	12	1
Grey Tit	5	9	23	5	6	4
Grey Tit Flycatcher	2	4	12	1	4	1
Grey-backed Camaroptera	2	7	7			
Grey-backed Cisticola	8	4	11	3	2	
Grey-backed sparrowlark	2	4	9	2	5	

Grey-headed Bushshrike	2	2	12		5	1
Grey-headed Gull	6	7	4	7	4	2
Grey-headed Kingfisher	3		7		12	
Grey-headed Parrot	1	7	14		1	
Grey-rumped Swallow	2	1	12	4	1	
Grey-winged Francolin	4	8	4	3		6
Ground Woodpecker	4	1	6			2
Groundscraper Thrush	3	2	11			3
Gurney's Sugarbird	16	1	2	1	4	2
Hadedda Ibis		14	3	8	1	1
Half-collared Kingfisher	6		3		12	
Hamerkop	6	11	6		2	1
Hartlaub's Gull	9	11	2	3	2	
Helmeted Guineafowl	1	1	1	4		5
Hooded Vulture	1	18	4		8	
Horus Swift		10	4	2	5	1
House Sparrow	4	4	1	6	1	2
Jackal Buzzard	3	12	5	1	16	3
Jacobin Cuckoo	5	10	8	1		2
Jameson's Firefinch		4	15	1		
Kalahari Scrub-Robin	6	6	8	1		2
Karoo Chat	6	2	9		1	2
Karoo Eremomela	5	7	12		1	
Karoo Korhaan	3	8	1		1	1
Karoo Lark	2		9		1	
Karoo Long-billed Lark	3	10	7	1	1	
Karoo Prinia	4	7	10			4
Karoo Scrub-Robin	3	10	16	2	1	2
Karoo Thrush	1	8	9	2	1	
Kelp Gull	6	5	8	2	1	
Kittlitz's Plover	7	5	1	1	1	10
Klaas's Cuckoo	3	4	27			1
Knob-billed Duck	2	6	8		1	3
Knysna Turaco	9		4		1	3
Knysna Warbler	5	8	10		1	
Knysna Woodpecker	6	3	3			2
Kori Bustard	5	16	9	1		6
Kurrichane Thrush	1	10	10	2	1	
Lanner Falcon	1	2	1		4	
Lappet-faced Vulture		18	3		9	2
Large-billed Lark		7	16			1
Lark-like Bunting	1	6	10	4	1	
Laughing Dove	2	1	2	5		
Layard's Tit-Babbler	2	11	10			
Lazy Cisticola	1	15	16	5		3
Lemon Dove	8	7	9	15	1	4

Lesser Flamingo	10	3	6		3	3
Lesser Grey Shrike	2	3	10		9	
Lesser Honeyguide	5	8	12		1	
Lesser Kestrel	4	6	9	1	12	3
Lesser Masked Weaver	5	3	9	8		
Lesser Spotted Eagle	1	8	9		8	2
Lesser Striped Swallow	3	3	7	3	1	
Lesser Swamp Warbler	3	15	1	4		2
Levaillant's Cisticola	2	12	9			
Levaillant's Cuckoo	1	8	11			
Lilac-breasted Roller	6		19	2		1
Little Bee-eater	6		13	1	4	2
Little Egret	7		1	3	1	
Little Grebe	8	2	2			9
Little Sparrowhawk	1	4	2		6	
Little Stint	9		4			6
Little Swift	1	7	6	1	3	1
Lizard Buzzard	1	9	16		11	2
Long-billed Crombec	1	8	11		1	2
Long-billed Pipit	1	7	22		2	
Long-crested Eagle	1	9	3		16	
Long-tailed Paradise Whydah	2	3	14			3
Long-tailed Widowbird	3	7	11			
Ludwig's Bustard	8	5	4		1	4
Magpie Shrike	1	7	13		4	3
Malachite Kingfisher	2		9	1	12	2
Malachite Sunbird	18	2	4	2	8	2
Marabou Stork	1	14	1	1	2	1
Marico Flycatcher	2	6	20	2	2	1
Marico Sunbird	5		11	2	3	1
Marsh Sandpiper	13	8	2	1	1	12
Martial Eagle		2	2		4	
Meves's Starling	4	4	14	3		
Meyer's Parrot	4	12	22		1	3
Mocking Cliff-Chat	4	3	16		1	1
Monotonous Lark	3	14	5	2		
Mosque Swallow	2	9	12		3	
Mountain Wheatear	3	6	13	1	2	
Namaqua Dove	8	5	3	2		2
Namaqua Sandgrouse	2	3	7			4
Namaqua Warbler	3	7	8	1	1	
Narina Trogon	10	2	25		1	2
Natal Spurfowl	2	3	3	3		9
Neddicky	5	11	6	7		1
Northern Black Korhaan	7	6	16		2	4
Olive Bushshrike	5	1	20	1	6	1

Olive Thrush	4		10	1		
Olive Woodpecker	4	4	3	3	1	7
Orange River White-eye	4	1	8	2	4	3
Orange-breasted Bushshrike	2	6	15	1	1	1
Orange-breasted Sunbird	9	1	7	2	8	1
Pacific Golden Plover		5	8	1	1	5
Pale Chanting Goshawk	1	5	4	3	6	1
Pale Flycatcher		8	22		2	
Pale-winged Starling	1	13	8	2		1
Pearl-breasted Swallow	4	3	19	2	4	
Pearl-spotted Owlet	3	10	1	1	10	
Peregrine Falcon		6	3		14	
Pied Crow		15	1	5	2	1
Pied Kingfisher	10	4	4		13	
Pied Starling	1	16	3	4		
Pink-billed Lark	3	6	8		2	
Pin-tailed Whydah	3	2	10	5		2
Plain-backed Pipit	2	10	8	1		1
Pirit Batis	2		7		3	1
Purple Heron	4	3	1		4	2
Purple Roller	2	1	13		4	
Purple-crested Turaco	3	1	17			1
Pygmy Falcon		2	8	1	13	
Pygmy Kingfisher	6	4	10		12	1
Rattling Cisticola	2	5	9	3	1	
Red-backed Shrike	2	2	8		8	
Red-billed Buffalo-weaver	2	13	6	1		1
Red-billed Firefinch		1	22	1	1	
Red-billed Oxpecker	3	5	4		7	1
Red-billed Quelea		10	11	2	1	
Red-billed Teal	7	3	3			8
Red-breasted Swallow	1	5	8	1	3	2
Red-capped Lark	2	8	4		1	1
Red-capped Robin-Chat	2	2	11	1	1	5
Red-chested Cuckoo	3	4	11	1	1	
Red-collared Widowbird	3	3	10	1	5	
Red-crested Korhaan	9	5	2		1	3
Red-eyed Dove	4	3	10	13		
Red-faced Cisticola	3	5	11	1		
Red-faced Mousebird	1	2	4	2	1	5
Red-fronted Tinkerbird	3	4	32			1
Red-headed Finch	3	1	7	1	1	1
Red-headed Weaver	2	7	12			
Red-knobbed Coot	3	4	1	3	1	1
Red-necked Spurfowl	1	6	4	4		4
Red-throated Wryneck	3	5	10		1	1

Red-winged Starling	1	4	9	8		1
Reed Cormorant	4	8		1	1	3
Reitz's Helmetshrike		3	18		4	
Rock Dove	4	5	2	7		2
Rock Kestrel	2	4	2		4	2
Rock Martin	3	9	8	2		1
Ruddy Turnstone	7	3	7		2	1
Ruff	7	6	4	1		3
Rufous-cheeked Nightjar	4	9	6		1	
Rufous-eared Warbler	6	1	7	1	3	
Rufous-naped Lark	1	13	8		1	
Rufous-winged Cisticola	2	4	12	2		
Sabota Lark	6	15	15	3	1	
Saddle-billed Stork	12	3	3		3	3
Sandwich Tern	14	9	7		2	
Scaly-feathered Finch	2	3	6		2	2
Scaly-throated Honeyguide	8	9	6	1	1	1
Scarlet-chested Sunbird	4	3	5		7	2
Secretarybird	4	4	5		5	4
Senegal Lapwing		6	11			10
Sentinel Rock Thrush		1	15	2		4
Shaft-tailed Whydah	1	3	14			1
Shelley's Francolin	2	7	3	1		8
Shelley's Sunbird	6		6		12	1
Shikra	3	5	6		8	2
Short-toed Rock-Thrush	2	3	9		2	1
Sickle-winged Chat	2	4	7			
Sociable Weaver	3	10	16	1		1
Sombre Greenbul	2	14	11	3		
South African Cliff Swallow	11	5	9	1		1
South African Shelduck	3	4	3		1	9
Southern Black Flycatcher	1	9	5	1	4	1
Southern Black Korhaan	3	1	5		1	7
Southern Black Tit	2	7	10	1		
Southern Boubou	5	4	3	1	2	2
Southern Carmine Bee-Eater	1		17		4	
Southern Double-collared Sunbird	9	1	5	1	11	3
Southern Fiscal		3	3	2		
Southern Grey-headed Sparrow	4	9	13	12	2	
Southern Ground Hornbill	7	7	3		1	2
Southern Masked Weaver	2	1	4	3		2
Southern Pied Babbler	7	2	9	2	1	1
Southern Red Bishop	2	1	6	3		1
Southern Red-billed Hornbill	7	6	10	1		1
Southern Tchagra	1	6	12	1		

Southern White-crowned Shrike	1	3	14		6	
Southern Yellow-billed Hornbill	4	10	17		4	1
Speckled Mousebird	4	3	11	1		1
Speckled Pigeon	9	5	7	6	1	4
Spectacled Weaver	5	3	8	1	2	
Spike-heeled Lark	2	9	10			
Spotted Eagle-Owl	5	4	5	2	4	6
Spotted Flycatcher	1	4	3	1		1
Spotted Thick-knee		8	4	1		9
Spur-winged Goose	7	5	6	2	1	2
Squacco Heron	4	11	8		6	1
Stark's Lark	2	11	7	1		1
Stierling's Wren-Warbler	2	10	10			
Streaky-headed Seedeater	2	3	5		5	1
Striped Kingfisher	6		3	1	7	3
Striped Pipit	2	9	7	2		
Swainson's Spurfowl	2	7	3	2		6
Swallow-tailed Bee-eater	3		13		3	1
Swee Waxbill	4	3	16			4
Swift Tern	19	2	5		1	1
Tambourine Dove	4	5	6	1		
Tawny Eagle		6	3		15	
Tawny-flanked Prinia	4	5	6		1	3
Temminck's Courser	2	3	10		3	3
Terrestrial Brownbul	1	18	7			1
Thick-billed Weaver	2	10	10			
Three-banded Plover	5	1	1	2		11
Tractrac Chat	1	9	10	1	1	1
Tropical Boubou	2		13		2	3
Trumpeter Hornbill	5	28	9		1	1
Verreaux's Eagle	1	6	3		5	
Verreaux's Eagle-Owl	2	22	11	1	12	3
Victorin's Warbler		11	9			
Village Indigobird	1	6	12		1	
Violet-backed Starling		1	19	1		
Violet-eared Waxbill	6	1	16			
Wahlberg's Eagle	1	5	4		15	
Wailing Cisticola	3	8	9	1	1	
Water Thick-knee	4	4		4		8
Wattled Starling		4	4	1		
Whiskered Tern	2		4	1	3	1
White Stork	6	14	12		9	2
White-backed Duck	9	3	3		1	4
White-backed Mousebird	3	2	13	1		1
White-backed Vulture	1	10	2		4	2

White-bellied Sunbird	3	2	3		11	1
White-breasted Cormorant	3	6	2		3	1
White-browed Robin-Chat	4	3	7	4	1	1
White-browed Scrub-robin	2	10	6	1	1	2
White-browed Sparrow Weaver	1	5	11	3		1
White-crested Helmetshrike	2	4	12		2	
White-faced Whistling Duck	7	5	7			7
White-fronted Bee-eater	3		15		3	1
White-fronted Plover	2	5	2		1	14
White-necked Raven		8	3		5	1
White-rumped Swift	1	10	8	2	2	2
White-throated Canary	1	5	7	6		
White-throated Robin-Chat	2	2	16		2	2
White-throated Swallow	2	2	7	5	3	4
White-winged Tern		14	2		2	2
White-winged Widowbird		6	11	1		
Willow Warbler		8	3	1	1	1
Wing-snapping Cisticola		23	6	1		2
Wire-tailed Swallow	3	5	5	2	4	1
Wood Sandpiper	7	3	2		3	7
Woodland Kingfisher	7	1	16	2	13	
Yellow Bishop	12	4	25	5		3
Yellow Canary	5	1	13	3	1	1
Yellow-bellied Eremomela	1	5	11	1	1	1
Yellow-bellied Greenbul	1	5	15	1		1
Yellow-billed Duck	3	1		4		3
Yellow-billed Kite		5	2		7	1
Yellow-billed Oxpecker	1	2	9		10	
Yellow-billed Stork	5	9	6		4	2
Yellow-breasted Apalis	4	4	32	1		5
Yellow-crowned Bishop	4	4	6	5		1
Yellow-fronted Canary	5	4	24	4	2	1
Yellow-fronted Tinkerbird	3	3	15			1
Yellow-throated Longclaw	3		10	1	2	3
Yellow-throated Petronia	3	4	7	1	2	
Yellow-throated Woodland Warbler	2	5	10	1	1	1
Zitting Cisticola	8	6	17	1		2