

Appendix

Table 1 List of bird Species, their Orders and Families recorded in the three habitat types of Dhati Walel National P, western Ethiopia during wet and dry seasons

Orders : families	Species	Season	Wetland	Woodland	Riverine forest
Accipitriformes: Accipitridae	African harrier hawk (<i>Polyboroides typus</i>)	Dry		√	
		Wet		√	
	African goshawk (<i>Accipiter tachiro</i>)	Dry		√	
		Wet		√	
	African fish eagle (<i>Haliaeetus vocifer</i>)	Dry	√		
		Wet	√		
	Augur buzzard (<i>Buteo augur</i>)	Dry	√	√	
		Wet	√	√	
	Black kite (<i>Milvus migrans</i>)	Dry		√	
		Wet		√	
	Black sparrow hawk (<i>Accipiter melanoleucus</i>)	Dry		√	√
		Wet		√	√
	European honey buzzard (<i>Pernis apivorus</i>)	Dry	√	√	
		Wet	√		
	Hooded vulture (<i>Necrosyrtes monachus</i>)	Dry	√		
		Wet	√	√	
	Lappet-faced vulture (<i>Torgos tracheliotus</i>)	Dry	√	√	√
		Wet	√		
	Long-crested eagle (<i>Lophaetus occipitalis</i>)	Dry			√
		Wet			√
Ruppell's vulture (<i>Gyps rueppellii</i>)	Dry	√	√	√	
	Wet	√	√	√	
Shikra (<i>Accipiter badius</i>)	Dry	√	√		
	Wet	√	√		
Yellow-billed kite (<i>Milvus aegyptius</i>)	Dry	√	√		
	Wet		√		
White-backed vulture (<i>Gyps africanus</i>)	Dry	√		√	
	Wet	√			
Apodiformes: Apodidae	Alpine swift (<i>Tachymaroties melba</i>)	Dry		√	
		Wet			
Anseriformes: Anatidae	Egyptian goose (<i>Alopochen aegyptiaca</i>)	Dry	√		
		Wet	√		
	Spur-winged goose (<i>Plectropterus gambensis</i>)	Dry	√		
		Wet	√		
Carpimulgiformes: Caprimulgidae	Standard-winged nightjar (<i>Macrodiptryx longipennis</i>)	Dry		√	√
		Wet		√	
Charadriiformes: Charadriidae	Crowned lapwing (<i>Venellus coronatus</i>)	Dry	√		
		Wet	√		
	Kentish plover (<i>Charadrius alexandrines</i>)	Dry	√		
		Wet	√		
	Spur winged lapwing (<i>Venellus spinosus</i>)	Dry	√		
		Wet	√		
Charadriiformes: Jacanidae	African jacana (<i>Actophilornis africanus</i>)	Dry	√		√
		Wet	√		
Charadriiformes: Scolopacidae	Wood sandpiper (<i>Tringa glareola</i>)	Dry	√		
		Wet	√		
Ciconiiformes: Ciconiidae	African openbill (<i>Anastomus lamelligerus</i>)	Dry	√		√
		Wet	√		
	Black stork (<i>Ciconia nigra</i>)	Dry	√		
		Wet	√		
	Marabou stork (<i>Leptoptilos crumeniferus</i>)	Dry	√		
		Wet	√		
	Saddle-billed stork (<i>Ephippiorhynchus senegalensis</i>)	Dry	√		
Wet		√			
Woolly-necked stork (<i>Ciconia episcopus</i>)	Dry	√			
	Wet	√			

Continued Table 1

Orders : families	Species	Season	Wetland	Woodland	Riverine forest
	White stork (<i>Ciconia ciconia</i>)	Dry	√		
		Wet	√		
Coliiformes: Coliidae	Blue-naped mouse bird (<i>Urocolius macrourus</i>)	Dry			√
		Wet		√	
	Speckled mouse bird (<i>Colius striatus</i>)	Dry	√		
		Wet		√	
Cuculiformes: Cuculidae	Black Cuckoo (<i>Cuculus clamosus</i>)	Dry		√	√
		Wet		√	√
	Blue-headed Coucal (<i>Centropus monachus</i>)	Dry			√
		Wet			√
Columbiformes: Columbidae	African collared-dove (<i>Streptopelia roseogrisea</i>)	Dry			
		Wet		√	
	Cape turtle (ring necked) dove (<i>Streptopelia Capicola</i>)	Dry		√	
		Wet		√	√
	Dusky (pink-breasted) turtle-dove (<i>Streptopelia lugens</i>)	Dry		√	
		Wet		√	
	Lemon (cinnamon) dove (<i>Aplopelia larvata</i>)	Dry			
		Wet		√	
	Laughing dove (<i>Streptopelia senegalensis</i>)	Dry		√	
		Wet		√	√
	Mourning collared-dove (<i>Streptopelia decipiens</i>)	Dry		√	
		Wet		√	
	Speckled pigeon (<i>Columba guinea</i>)	Dry			√
		Wet		√	√
	Red-eyed dove (<i>Streptopelia semitorquata</i>)	Dry		√	√
		Wet		√	
	Tambourine dove (<i>Turtur tympanistris</i>)	Dry		√	
		Wet		√	
Coraciiformes: Alcedinidae	Half-collared kingfisher (<i>Alcedo semitorquata</i>)	Dry			√
		Wet		√	√
	Hemprich's hornbill (<i>Tockus hemprichii</i>)	Dry		√	√
		Wet		√	√
	Woodland kingfisher (<i>Halcyon senegalensis</i>)	Dry			√
		Wet		√	√
	African pygmy-kingfisher (<i>Ispidina picta</i>)	Dry			√
		Wet			√
Coraciiformes: Bucerotidae	Crowned hornbill (<i>Tockus alboterminatus</i>)	Dry			√
		Wet			√
	Eastern yellow billed hornbill (<i>Tockus flavirostris</i>)	Dry			√
		Wet			√
	Northern red billed hornbill (<i>Tockus erythrorhynchus</i>)	Dry		√	√
		Wet			
	Silvery-cheeked hornbill (<i>Ceratogymna brevis</i>)	Dry		√	√
		Wet		√	
Coraciiformes: Bucorvidae	Abyssinian ground-hornbill (<i>Bucorvus abyssinicus</i>)	Dry		√	
		Wet			
Falconiformes: Falconidae	Sooty falcon (<i>Falco concolor</i>)	Dry		√	
		Wet			
Galliformes: Numididae	Helmeted guinea fowl (<i>Numida meleagris</i>)	Dry	√	√	
		Wet			
Galliformes: Phasianidae	Crested francolin (<i>Francolinus sephaena</i>)	Dry		√	
		Wet		√	
	Common quail (<i>Coturnix coturnix</i>)	Dry	√	√	
		Wet	√		
Gruiformes: Gruidae	Black (Northern) crowned crane (<i>Balearica pavonina</i>)	Dry	√		
		Wet	√		
	Wattled crane (<i>Buggeranus carunculatus</i>)	Dry	√		
		Wet	√		
Passeriformes: Acrocephalidae	cterine warbler (<i>Hippolais icterina</i>)	Dry		√	
		Wet			

Continued Table 1

Orders : families	Species	Season	Wetland	Woodland	Riverine forest
Passeriformes: Alaudidae	Great reed-warbler (<i>Acrocephalus arundinaceus</i>)	Dry Wet		√	
	Erlanger's lark (<i>Calandrella erlangeri</i>)	Dry Wet		√	
Passeriformes: Buphagidae	Red-billed oxpecker (<i>Buphagus erythrorhynchus</i>)	Dry Wet	√ √		
Passeriformes: Campephagidae	Red-shouldered cuckoo shrike (<i>Campephaga phoenicea</i>)	Dry Wet		√	√ √
Passeriformes: Cisticolidae	Green-backed eremomela (<i>Eremomela canescens</i>)	Dry Wet		√	√
	Foxy cisticola (<i>Cisticola troglodytes</i>)	Dry Wet		√	
	Pectoral-patch Cisticola (<i>Cisticola brunnescens</i>)	Dry Wet	√ √		
	Tawny-flanked prinia (<i>Prinia subflava</i>)	Dry Wet			√ √
Passeriformes: Corvidae	Fan-tailed raven (<i>Corvus rhipidurus</i>)	Dry Wet		√	√
	Thick-billed raven (<i>Corvus crassirostris</i>)	Dry Wet		√	
Passeriformes: Dicuridae	Fork-tailed drongo (<i>Dicrurus adsimilis</i>)	Dry Wet		√	
Passeriformes: Estrildidae	Black-rumped waxbill (<i>Estrilda troglodytes</i>)	Dry Wet	√	√ √	√
	Bronze manikin (<i>Spermestes cucullatus</i>)	Dry Wet		√ √	√
	Yellow-belled waxbill (<i>Coccyzygia quartinia</i>)	Dry Wet	√	√ √	
Passeriformes: Fringillidae	African citril (<i>Serinus citrinelloides</i>)	Dry Wet	√ √		
	Yellow-fronted canary (<i>Serinus mozambicus</i>)	Dry Wet		√	
Passeriformes: Hirundinidae	Common house martin (<i>Delichon urbicum</i>)	Dry Wet	√ √	√	
	Ethiopian swallow (<i>Hirundo aethiopica</i>)	Dry Wet		√	√
	Sand martin (Bank swallow) (<i>Riparia riparia</i>)	Dry Wet	√ √	√	
Passeriformes: Laniidae	Common fiscal (<i>Lanius collaris</i>)	Dry Wet		√ √	√ √
	Lesser gray shrike (<i>Lanius minors</i>)	Dry Wet		√	√ √
	Masked shrike (<i>Lanius nubicus</i>)	Dry Wet		√	
Passeriformes: Motacillidae	African pied wagtail (<i>Motacilla aguimp</i>)	Dry Wet	√ √		
Passeriformes: Monarchidae	African paradise-flycatcher (<i>Terpsiphone viridis</i>)	Dry Wet		√ √	
Passeriformes: Muscicapidae	Ruppell's robin-chat (<i>Cossypha semirufa</i>)	Dry Wet		√ √	√ √
	Tacazze sunbird (<i>Nectarinia tacazze</i>)	Dry Wet		√	√
	White-winged cliff-chat (<i>Thamnolaea semirufa</i>)	Dry Wet		√	√
Passeriformes: Nectariniidae	Copper sunbird (<i>Cinnyris cupreus</i>)	Dry Wet		√	√
	Beautiful sunbird (<i>Cinnyris pulchellus</i>)	Dry Wet		√ √	
	Olive sunbird (<i>Cyanomitra olivacea</i>)	Dry Wet		√	√ √

Orders : families	Species	Season	Wetland	Woodland	Riverine forest
	Mariqua sunbird (<i>Cinnyris mariquensis</i>)	Dry			✓
		Wet		✓	
	Scarlet-chested sunbird (<i>Chalcomitra senegalensis</i>)	Dry			✓
		Wet		✓	
	Variable (yellow-billed) sunbird (<i>Cinnyris venustus</i>)	Dry			✓
		Wet		✓	
Passeriformes: Oriolidae	Eastern (black headed) oriole (<i>Oriolus larvatus</i>)	Dry			
		Wet		✓	
Passeriformes: Passeridae	Swainson's sparrow (<i>Passer swainsonii</i>)	Dry			✓
		Wet		✓	
Passeriformes Phylloscopidae	Brown woodland-warbler (<i>Phylloscopus umbrovirens</i>)	Dry			✓
		Wet		✓	
	Wood warbler (<i>Phylloscopus sibilatrix</i>)	Dry			✓
		Wet		✓	✓
Passeriformes : Ploceidae	Little weaver (<i>Ploceus luteolus</i>)	Dry			✓
		Wet		✓	
	Red-billed buffalo-weaver (<i>Bubalornis niger</i>)	Dry	✓		
		Wet	✓		
	Red-collared widowbird (<i>Euplectes ardens</i>)	Dry	✓		
		Wet	✓		
	White-billed buffalo-weaver (<i>Bubalornis albirostris</i>)	Dry			
		Wet		✓	
Passeriformes : Pycnonotidae	Common bulbul (<i>Pycnonotus barbatus</i>)	Dry		✓	✓
		Wet		✓	✓
Passeriformes : Sturnidae	Greater blue-eared starling (<i>Lamprotornis chalybaeus</i>)	Dry		✓	✓
		Wet		✓	✓
	Ruppell's starling (<i>Lamprotornis purpuropterus</i>)	Dry		✓	
		Wet		✓	
	Violet backed starling (<i>Cinnyricinclus leucogaster</i>)	Dry			
		Wet		✓	
Passeriformes : Turdidae	Abyssinian thrush (<i>Turdus abyssinicus</i>)	Dry		✓	
		Wet		✓	
	Ground scraper Thrush (<i>Psophocichla litsipsirupa</i>)	Dry		✓	
		Wet		✓	
Passeriformes : Viduidae	Eastern paradise-whydah (<i>Vidua paradisaea</i>)	Dry		✓	
		Wet		✓	✓
Pelecaniformes : Ardeidae	Black-crowned night-heron (<i>Nycticorax nycticorax</i>)	Dry	✓		
		Wet	✓		
	Black-headed heron (<i>Ardea melanocephala</i>)	Dry	✓		
		Wet	✓		
	Cattle egret (<i>Bubulcus ibis</i>)	Dry	✓		
		Wet	✓		
	Grey heron (<i>Ardea cinerea</i>)	Dry	✓		
		Wet	✓		
	Squacco heron (<i>Ardeola ralloides</i>)	Dry	✓		
		Wet	✓		
Pelecaniformes : Scopidae	Hamerkop (<i>Scopus umbretta</i>)	Dry	✓		
		Wet	✓		
Pelecaniformes Threskiornithidae	Hadada ibis (<i>Bostrychia hagedash</i>)	Dry	✓		✓
		Wet	✓		✓
	Glossy ibis (<i>Plegadis falcinellus</i>)	Dry	✓		
		Wet	✓		
	Sacred ibis (<i>Threskiornis aethiopicus</i>)	Dry	✓		
		Wet	✓		
	Wattled ibis (<i>Bostrychia carunculata</i>)	Dry	✓		✓
		Wet	✓		✓
Piciformes : Indicatoridae	Greater honey guide (<i>Indicator indicator</i>)	Dry			
		Wet		✓	
Piciformes : Picidae	Bearded woodpecker (<i>Dendropicops namaquus</i>)	Dry			
		Wet		✓	

Continued Table 1

Orders : families	Species	Season	Wetland	Woodland	Riverine forest
Piciformes : Lybiidae	Nubian woodpecker (<i>Campethera nubica</i>)	Dry		✓	✓
		Wet		✓	✓
	Double-toothed Barbet (<i>Lybius bidenatus</i>)	Dry			✓
		Wet		✓	✓
Psittaciformes : Psittacidae	Banded Barbet (<i>Lybius undatus</i>)	Dry			✓
		Wet		✓	✓
Psittaciformes : Psittacidae	Yellow-fronted Parrot (<i>Poicephalus flavifrons</i>)	Dry			✓
		Wet			✓
Suliformes	White breasted cormorant	Dry	✓		
Phalacrocoracidae	(<i>Phalacrocorax lucidus</i>)	Wet	✓		
Trogoniformes : Trogonidae	Narina Trogon (<i>Apaloderma narina</i>)	Dry		✓	
		Wet			✓