



TAMIL NADU

SYNCHRONISED BIRD ESTIMATE 2025

TERRESTRIAL BIRDS

BRIEF REPORT



Tamil Nadu Forest Department



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REPORT DETAILS

Report Generation: 04. 05. 2025 V0 (Previous version: nil)

Prepared by

Office of the Principal Chief Conservator of Forests (Head of Forest Force)

Tamil Nadu Forest Department, Government of Tamil Nadu

This report is confidential and the circulation of the same will be decided by office of the Principal Chief Conservator of Forests (HoFF), Tamil Nadu Forest Department

This brief report is prepared based on data generated and provided by Tamil Nadu forest divisions from the estimate held during 15th and 16th March 2025 across the terrestrial lands of the state of Tamil Nadu.

The estimate was planned, designed and executed under the guidance of

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Synchronised Bird Estimate 2025

Phase 2: Terrestrial Birds

Office of the Principal Chief Conservator of Forests, Tamil Nadu Forest Department, Government of Tamil Nadu in its directive to conduct “Tamil Nadu Synchronised Bird Estimate” for the year 2024-25 had advised the estimate to be conducted in phases.

The phase 1 of the estimate was successfully conducted on 8th and 9th March 2025. The Phase 2 of the estimate is meant to record terrestrial birds covering protected area, select rural and urban spots. Phase 2 of estimate was scheduled on 15th and 16th March, 2025. For the current year estimate, nocturnal bird estimate was recommended in select location during the nights of the survey days.

The purpose and importance of this long term monitoring of birds of Tamil Nadu is aimed at not only recording presence of birds, but also observe other critical habitat variables including the threats factors for the better planning and long-term conservation of avian diversity and their habitats in Tamil Nadu.

All divisional offices have been provided with estimate methodology, selection methodology of terrestrial bird spots, estimate tool kit (including data book to record observations), and on-line forms to enter data spot wise, division and district wise. The Phase 2 estimate was successfully held across all districts by the divisional offices by inviting volunteers and involving department staff. The results in prescribed formats are received for statewide consolidation.





15-16 Mar 2025

Phase 2 of the Estimate meant for the estimation of terrestrial birds was held on 15th and 16th Mar 2025 across the state on all districts.



38 Districts

All districts were covered, and for the administrative purpose, though some of the districts are governed by a single division, district wise segregation of data was done.



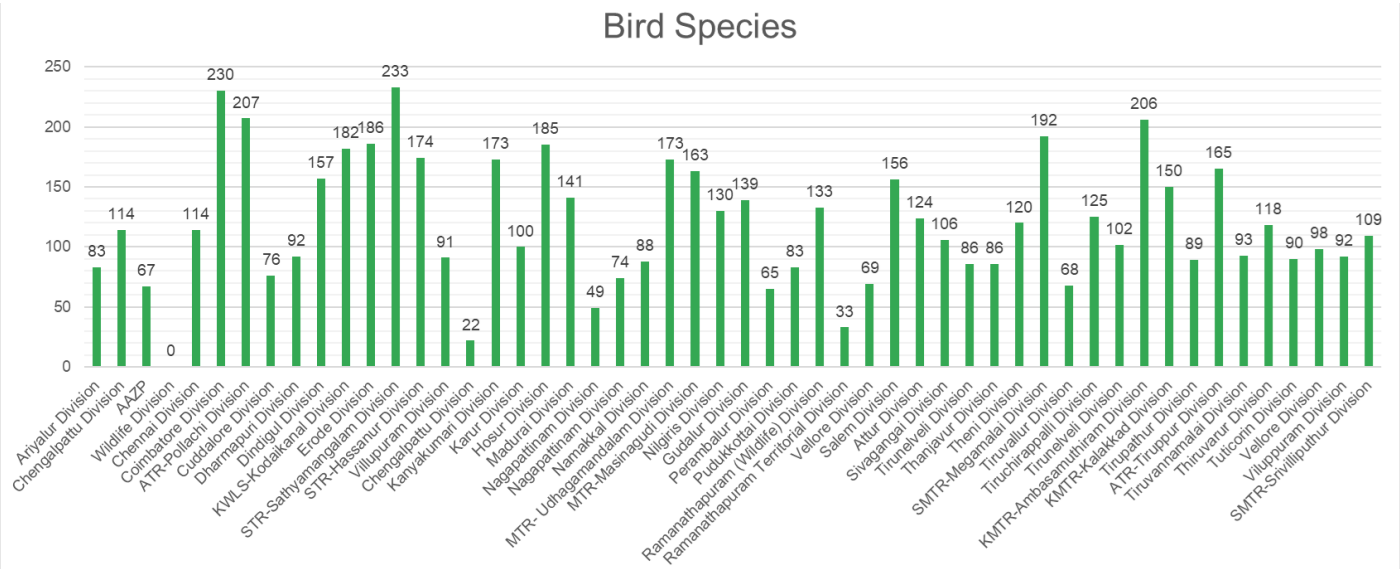
1093 Terrestrial Spots

A total of 1093 spots (covering urban, rural and protected area) across the state were covered in this estimate. It was advised to cover 20 spots per division.

DIVISION WISE CONSOLIDATED DATA

S. No	District	Division Name	No of terrestri al spots	Total Birds		Terrestrial Birds		Migrant Landbirds	
				Bird Species	Bird Direct Count	Bird Species	Bird Direct Count	Bird Species	Bird Direct Count
1	Ariyalur	Ariyalur Division	20	83	10155	78	10038	10	269
2	Chengalpattu	Chengalpattu Division	15	114	2913	80	2408	9	135
3	Chengalpattu	AAZP	4	67	956	49	813	11	39
4	Chennai	Wildlife Division	1					0	0
5	Chennai	Chennai Division	21	114	3813	85	3547	20	293
6	Coimbatore	Coimbatore Division	25	230	9033	205	8478	35	515
7	Coimbatore	ATR-Pollachi Division	23	207	4329	187	4125	31	250
8	Cuddalore	Cuddalore Division	25	76	8651	64	8463	7	797
9	Dharmapuri	Dharmapuri Division	25	92	5023	79	4638	8	94
10	Dindigul	Dindigul Division	25	157	5193	132	4547	18	253
11	Dindigul	KWLS-Kodaikanal Division	27	182	3539	170	3495	27	311
12	Erode	Erode Division	29	186	8299	142	7195	27	627
13	Erode	STR-Sathyamangalam Division	29	233	6136	204	5886	38	560
14	Erode	STR-Hassanur Division	20	174	3964	163	3863	34	205
15	Kallakurichi	Villupuram Division	20	91	2889	84	2776	12	168
16	Kancheepuram	Chengalpattu Division	7	22	400	17	312	0	0
17	Kanyakumari	Kanyakumari Division	25	173	3345	159	3254	25	261
18	Karur	Karur Division	25	100	4732	84	4155	8	54
19	Krishnagiri	Hosur Division	25	185	7160	168	6954	27	496
20	Madurai	Madurai Division	25	141	5380	119	5008	24	165
21	Mayiladuthurai	Nagapattinam Division	6	49	882	47	866	3	20
22	Nagapattinam	Nagapattinam Division	15	74	2957	72	2909	14	910
23	Namakkal	Namakkal Division	25	88	3990	81	3908	8	222
24	The Nilgiris	MTR- Udhagamandalam Division	25	173	2884	165	2856	24	231
25	The Nilgiris	MTR-Masinagudi Division	13	163	3242	155	3193	21	145
26	The Nilgiris	Nilgiris Division	28	130	3558	124	3533	21	413
27	The Nilgiris	Gudalur Division	23	139	3008	139	3008	22	310
28	Perambalur	Perambalur Division	20	65	3967	59	3648	5	74
29	Pudukkottai	Pudukkottai Division	25	83	1989	69	1889	7	80
30	Ramanathapuram	Ramanathapuram (Wildlife) Division	16	133	4944	70	1569	11	269
31	Ramanathapuram	Ramanathapuram Territorial Division	7	33	1464	31	1404	3	48
32	Ranipet	Vellore Division	15	69	1939	62	1508	5	26
33	Salem	Salem Division	26	156	3039	139	2922	19	171
34	Salem	Attur Division	25	124	3039	101	2375	13	66
35	Sivagangai	Sivagangai Division	25	106	7095	76	5764	10	314
36	Tenkasi	Tirunelveli Division	20	86	1763	82	1708	9	182
37	Thanjavur	Thanjavur Division	20	86	4368	64	3963	7	184
38	Theni	Theni Division	26	120	2897	109	2676	14	91
39	Theni	SMTR-Megamalai Division	35	192	6312	175	6060	25	429
40	Tiruvallur	Tiruvallur Division	23	68	2436	50	1885	3	42
41	Trichirappalli	Tiruchirappalli Division	20	125	3847	100	3037	17	278
42	Tirunelveli	Tirunelveli Division	20	102	3826	87	3069	22	505
43	Tirunelveli	KMTR-Ambasamuthiram Division	22	206	6211	181	5701	27	642
44	Tirunelveli	KMTR-Kalakkad Division	15	150	1617	139	1570	22	142
45	Tirupathur	Tirupathur Division	25	89	3096	86	3077	11	138
46	Tiruppur	ATR-Tiruppur Division	23	165	3936	140	3600	15	168
47	Tiruvannamalai	Tiruvannamalai Division	26	93	3094	78	2431	12	78
48	Thiruvarur	Thiruvarur Division	25	118	31148	77	18554	10	394
49	Tuticorin	Tuticorin Division	29	90	6554	73	5578	10	2519
50	Vellore	Vellore Division	22	98	2667	92	2602	11	64
51	Viluppuram	Viluppuram Division	12	92	3076	80	2798	11	60
52	Virudhunagar	SMTR-Srivilliputhur Division	20	109	1764	97	1623	9	73
		Total	1093	401	232519	311	201239	75	14780

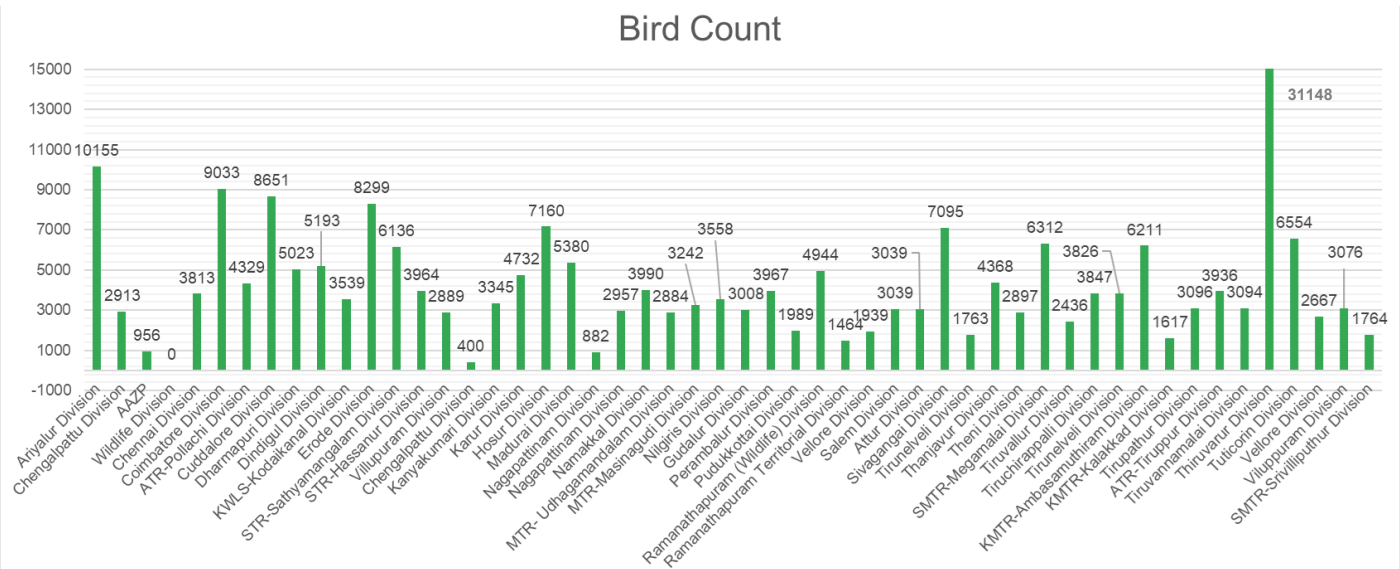
TOTAL SPECIES COUNTED AND NUMBER OF BIRDS DIRECT COUNTED



401
Bird species

232519
Direct bird count

Estimate results show that 401 bird species were associated with terrestrial land arrangement across the state. Number of birds direct counted stood at 2, 32, 519 with top 6 divisions contributing to 42% of bird counts.



Birds Overview



311



Terrestrial birds

Birds of lands, which include bird orders of ground-feeding birds, doves and pigeons, sandgrouses, cuckoos, nightjars and frogmouths, swifts, raptors, owls, trogons, hoopoes and hornbills, kingfishers, bee-eaters and rollers, barbets and woodpeckers, kestrels, hobbies and falcons, parrots and parakeets, and passerine birds.

During the Estimate, 311 land bird species were recorded from the terrestrial survey locations chosen which included rural, urban and protected area.

90

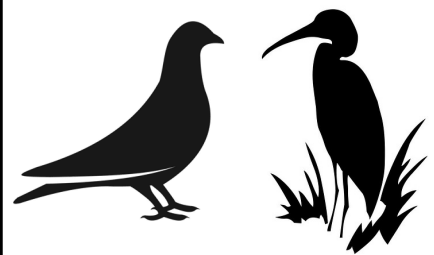


Water birds

Birds that live near and walk or swim in water, especially rivers or lakes, can be broadly classified as waterbirds, and such birds include bird orders of waterfowls, flamingos, grebes, rails and crakes, waders, gulls and terns, storks, darters and cormorants, ibises, herons and pelicans.

During the Estimate, 90 bird species from these groups were recorded across the state. This reiterates the fact that though birds prefer one specific habitat, all habitats are equally used.

401

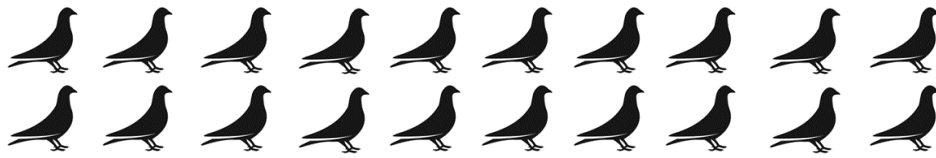


Total birds

A total of 401 species are associated with surveyed terrestrial locations directly or indirectly. This is a very healthy and important information emerging from the Estimate.

The state of Tamil Nadu has a total of 547 estimated bird species, and the count of 401 forms about **73%** of total species.

No of birds sighted during direct count



201239

Terrestrial birds



31280

Water birds

232519

Total birds

Order	Birds Group	Bird Species	No of birds of direct count
Anseriformes	Waterfowls	8	546
Galliformes	Ground-feeding birds	8	10682
Columbiformes	Doves and Pigeons	12	13641
Pterocliiformes	Sandgrouses	2	142
Otidiformes	Bustards	0	0
Cuculiformes	Cuckoos	14	7500
Caprimulgiformes	Nightjars & Frogmouths	6	677
Apodiformes	Swifts	9	9444
Gruiformes	Rails & Crakes	5	1136
Charadriiformes	Waders, Gulls & Terns	49	5356
Phoenicopteriformes	Flamingos	1	403
Podicipediformes	Grebes	1	181
Procellariiformes	Storm-Petrels & Shearwaters	0	0
Ciconiiformes	Storks	3	1560
Suliformes	Darters & Cormorants	4	2963
Pelecaniformes	Ibises, Herons & Pelicans	19	19135
Accipitriformes	Raptors	35	4382
Strigiformes	Owls	11	881
Trogoniformes	Trogons	1	33
Bucerotiformes	Hoopoes & Hornbills	5	1207
Coraciiformes	Kingfishers, Bee-eaters & Rollers	12	10636
Piciformes	Barbets & Woodpeckers	18	5915
Falconiformes	Kestrels, Hobbies & Falcons	6	114
Psittaciformes	Parrots & Parakeets	4	11768
Passeriformes	Passerine birds	168	124217
Total		401	232519

MIGRATORY BIRDS

Birds migrate, often flying hundreds and thousands of kilometres seasonally, mostly in a defined migratory flyways. Birds migrating to India fall within the central Asian flyway. 12% of birds from the Indian subcontinent checklist are migratory. With long coastal lines, rich hilly forests and fertile plains, Tamil Nadu has a significant share on migratory birds among its total birds checklist, with at least 41% of them are long-distant migrants. 6% of the birds are either with resident and migrant status or local migrant status.

75



Migrant Terrestrial birds

75 species of migrants from the group of birds, classified as land birds, were recorded during the Estimate.

These include 3 species of cuckoos, 1 nightjar species, 2 swift species, 12 species of raptors, 2 species of bee-eaters and rollers, 4 species from falcon, hobbies and kestrels 1 woodpecker species and 50 passerine bird species. Among the passerine birds, warblers, flycatchers, wagtails and pipits are dominants.

43



Migrant Water birds

43 species of migrants from the group of birds, classified as water birds, were recorded during the Estimate.

These include 3 species of waterfowls, 1 flamingo species, 38 species from waders, gulls and terns, and 1 species from Heron. Wetlands were not intentionally covered during the estimate.

118



Total Migrants

A total of 118 long distant migrants were recorded during the Estimate.

Among the total species recorded, **29%** of the species are migrant species.

Apart from the long-distant migrants, 4 species with local migrant status and 10 species who have dual classification (species who are resident and migrant through different sub-species) were also recorded.

POPULATION BREAK UP



14780

Migrant-Terrestrial
birds



2890

Migrant– Water birds

152

Local Migrants

1897

Dual status (R+M) birds

17670

Total Migrants

Order	Birds Group	Bird Species	No of birds of direct count
Anseriformes	Waterfowls	3	76
Galliformes	Ground-feeding birds	0	0
Columbiformes	Doves and Pigeons	0	0
Pterocliiformes	Sandgrouses	0	0
Otidiformes	Bustards	0	0
Cuculiformes	Cuckoos	3	169
Caprimulgiformes	Nightjars & Frogmouths	1	8
Apodiformes	Swifts	2	29
Gruiformes	Rails & Crakes	0	0
Charadriiformes	Waders, Gulls & Terns	38	2410
Phoenicopteriformes	Flamingos	1	403
Podicipediformes	Grebes	0	0
Procellariiformes	Storm-Petrels & Shearwaters	0	0
Ciconiiformes	Storks	0	0
Suliformes	Darters & Cormorants	0	0
Pelecaniformes	Ibises, Herons & Pelicans	1	1
Accipitriformes	Raptors	12	150
Strigiformes	Owls	0	0
Trogoniformes	Trogons	0	0
Bucerotiformes	Hoopoes & Hornbills	0	0
Coraciiformes	Kingfishers, Bee-eaters & Rollers	2	1288
Piciformes	Barbets & Woodpeckers	1	1
Falconiformes	Kestrels, Hobbies & Falcons	4	98
Psittaciformes	Parrots & Parakeets	0	0
Passeriformes	Passerine birds	50	13037
Total		118	17670

MOST POPULOUS BIRDS



House Crow

Resident
Count: 13326



Common Myna

Resident
Count: 12242



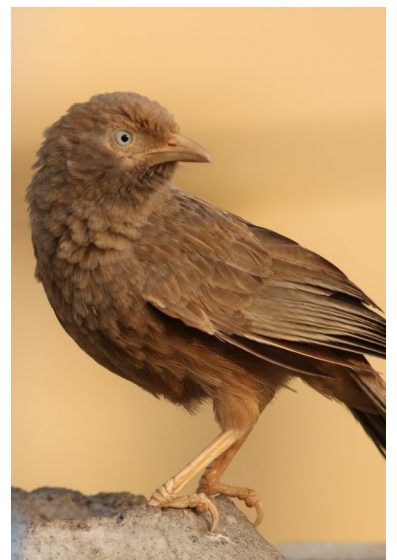
**Rose-ringed
Parakeet**

Resident
Count: 9672



Red-vented Bulbul

Resident
Count: 8289



Yellow-billed Babbler

Resident
Count: 7724



Asian Palm-Swift

Resident
Count: 7443



Black Drongo

Resident
Count: 6917



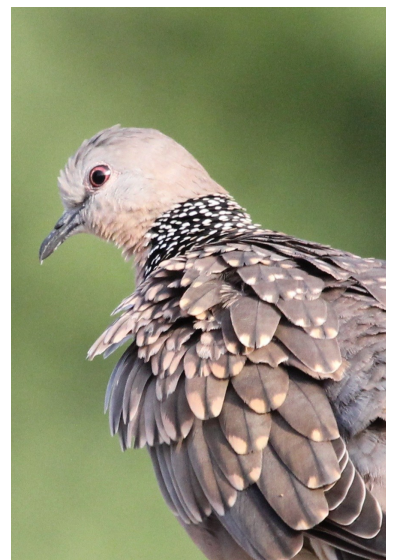
Little Egret

Resident
Count: 6178



Indian Peafowl

Resident
Count: 6099



Spotted Dove

Resident
Count: 4809

IMPORTANT BIRDS



Chestnut-winged Cuckoo

Migrant, Least Concern



Brown Fish-Owl

Resident, Least Concern



European Bee-eater

Migrant, Least Concern



Nilgiri Wood-Pigeon

Resident, Vulnerable



Kashmir Flycatcher

Migrant, Vulnerable

IMPORTANT BIRDS



Ashambu Laughingthrush

Resident, Vulnerable



Indian Nightjar

Resident, Least Concern



Black and Orange Flycatcher

Resident, Least Concern



Lesser Fish-Eagle

Resident, Near Threatened



Nilgiri Pipit

Resident, Vulnerable

LIST OF BIRDS– SIGHTED

S. No	Species Name	Scientific Name	Species Authority	Family
1	Fulvous Whistling-Duck	<i>Dendrocygna bicolor</i>	Vieillot, 1816	Anatidae
2	Lesser Whistling-Duck	<i>Dendrocygna javanica</i>	Horsfield, 1821	Anatidae
3	Knob-billed Duck	<i>Sarkidiornis melanotos</i>	Pennant, 1769	Anatidae
4	Cotton Pygmy-goose	<i>Nettapus coromandelianus</i>	Gmelin, 1789	Anatidae
5	Garganey	<i>Spatula querquedula</i>	Linnaeus, 1758	Anatidae
6	Northern Shoveler	<i>Spatula clypeata</i>	Linnaeus, 1758	Anatidae
7	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>	Forster, 1781	Anatidae
8	Northern Pintail	<i>Anas acuta</i>	Linnaeus, 1758	Anatidae
9	Indian Peafowl	<i>Pavo cristatus</i>	Linnaeus, 1758	Phasianidae
10	Red Spurfowl	<i>Galloperdix spadicea</i>	Gmelin, 1789	Phasianidae
11	Painted Spurfowl	<i>Galloperdix lunulata</i>	Valenciennes, 1825	Phasianidae
12	Gray Junglefowl	<i>Gallus sonneratii</i>	Temminck, 1813	Phasianidae
13	Gray Francolin	<i>Ortygornis pondicerianus</i>	Gmelin, 1789	Phasianidae
14	Jungle Bush-Quail	<i>Perdica asiatica</i>	Latham, 1790	Phasianidae
15	Rock Bush-Quail	<i>Perdica argoondah</i>	Sykes, 1832	Phasianidae
16	Painted Bush-Quail	<i>Perdica erythrorhyncha</i>	Sykes, 1832	Phasianidae
17	Rock Pigeon	<i>Columba livia</i>	Gmelin, 1789	Columbidae
18	Nilgiri Wood-Pigeon	<i>Columba elphinstonii</i>	Sykes, 1832	Columbidae
19	Oriental Turtle-Dove	<i>Streptopelia orientalis</i>	Latham, 1790	Columbidae
20	Eurasian Collared-Dove	<i>Streptopelia decaocto</i>	Frivaldszky, 1838	Columbidae
21	Red Collared-Dove	<i>Streptopelia tranquebarica</i>	Hermann, 1804	Columbidae
22	Spotted Dove	<i>Spilopelia chinensis</i>	Scopoli, 1786	Columbidae
23	Laughing Dove	<i>Spilopelia senegalensis</i>	Linnaeus, 1766	Columbidae
24	Asian Emerald Dove	<i>Chalcophaps indica</i>	Linnaeus, 1758	Columbidae
25	Gray-fronted Green-Pigeon	<i>Treron affinis</i>	Jerdon, 1840	Columbidae
26	Yellow-footed Green-Pigeon	<i>Treron phoenicopterus</i>	Latham, 1790	Columbidae
27	Green Imperial-Pigeon	<i>Ducula aenea</i>	Linnaeus, 1766	Columbidae
28	Malabar Imperial-Pigeon	<i>Ducula cuprea</i>	Jerdon, 1840	Columbidae
29	Chestnut-bellied Sandgrouse	<i>Pterocles exustus</i>	Temminck, 1825	Pteroclididae
30	Painted Sandgrouse	<i>Pterocles indicus</i>	Gmelin, 1789	Pteroclididae
31	Greater Coucal	<i>Centropus sinensis</i>	Stephens, 1815	Cuculidae
32	Lesser Coucal	<i>Centropus bengalensis</i>	Gmelin, 1788	Cuculidae
33	Sirkeer Malkoha	<i>Taccocua leschenaultii</i>	Lesson, 1830	Cuculidae
34	Blue-faced Malkoha	<i>Phaenicophaeus viridirostris</i>	Jerdon, 1840	Cuculidae
35	Chestnut-winged Cuckoo	<i>Clamator coromandus</i>	Linnaeus, 1766	Cuculidae
36	Pied Cuckoo	<i>Clamator jacobinus</i>	Boddaert, 1783	Cuculidae
37	Asian Koel	<i>Eudynamis scolopacea</i>	Linnaeus, 1758	Cuculidae
38	Banded Bay Cuckoo	<i>Cacomantis sonneratii</i>	Latham, 1790	Cuculidae
39	Gray-bellied Cuckoo	<i>Cacomantis passerinus</i>	Vahl, 1797	Cuculidae
40	Fork-tailed Drongo-Cuckoo	<i>Surniculus dicruroides</i>	Hodgson, 1839	Cuculidae
41	Common Hawk-Cuckoo	<i>Hierococcyx varius</i>	Vahl, 1797	Cuculidae
42	Lesser Cuckoo	<i>Cuculus poliocephalus</i>	Latham, 1790	Cuculidae
43	Indian Cuckoo	<i>Cuculus micropterus</i>	Gould, 1838	Cuculidae
44	Common Cuckoo	<i>Cuculus canorus</i>	Linnaeus, 1758	Cuculidae
45	Great Eared-Nightjar	<i>Lyncornis macrotis</i>	Vigors, 1831	Caprimulgidae
46	Jungle Nightjar	<i>Caprimulgus indicus</i>	Latham, 1790	Caprimulgidae
47	Jerdon's Nightjar	<i>Caprimulgus atripennis</i>	Jerdon, 1845	Caprimulgidae
48	Indian Nightjar	<i>Caprimulgus asiaticus</i>	Latham, 1790	Caprimulgidae
49	Savanna Nightjar	<i>Caprimulgus affinis</i>	Horsfield, 1821	Caprimulgidae
50	Sri Lanka Frogmouth	<i>Batrachostomus moniliger</i>	Blyth, 1849	Podargidae
51	White-rumped Needletail	<i>Zoonavena sylvatica</i>	Tickell, 1846	Apodidae
52	Brown-backed Needletail	<i>Hirundapus giganteus</i>	Temminck, 1825	Apodidae
53	Indian Swiftlet	<i>Aerodramus unicolor</i>	Jerdon, 1840	Apodidae

S. No	Species Name	Scientific Name	Species Authority	Family
54	Alpine Swift	<i>Tachymarptis melba</i>	Linnaeus, 1758	Apodidae
55	Common Swift	<i>Apus apus</i>	Linnaeus, 1758	Apodidae
56	Blyth's Swift	<i>Apus leuconyx</i>	Blyth, 1845	Apodidae
57	Little Swift	<i>Apus affinis</i>	JE Gray, 1830	Apodidae
58	Asian Palm-Swift	<i>Cypsiurus balasiensis</i>	JE Gray, 1829	Apodidae
59	Crested Treeswift	<i>Hemiprocne coronata</i>	Tickell, 1833	Hemiprocniidae
60	Eurasian Moorhen	<i>Gallinula chloropus</i>	Linnaeus, 1758	Rallidae
61	Eurasian Coot	<i>Fulica atra</i>	Linnaeus, 1758	Rallidae
62	Grey-headed Swampphen	<i>Porphyrio poliocephalus</i>	Latham, 1801	Rallidae
63	Watercock	<i>Gallicrex cinerea</i>	Gmelin, 1789	Rallidae
64	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Pennant, 1769	Rallidae
65	Great Thick-knee	<i>Esacus recurvirostris</i>	Cuvier, 1829	Burhinidae
66	Indian Thick-knee	<i>Burhinus indicus</i>	Salvadori, 1865	Burhinidae
67	Black-winged Stilt	<i>Himantopus himantopus</i>	Linnaeus, 1758	Recurvirostridae
68	Pied Avocet	<i>Recurvirostra avosetta</i>	Linnaeus, 1758	Recurvirostridae
69	Black-bellied Plover	<i>Pluvialis squatarola</i>	Linnaeus, 1758	Charadriidae
70	Pacific Golden Plover	<i>Pluvialis fulva</i>	Gmelin, 1789	Charadriidae
71	Little Ringed Plover	<i>Thinornis dubius</i>	Scopoli, 1786	Charadriidae
72	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i>	Boddaert, 1783	Charadriidae
73	Red-wattled Lapwing	<i>Vanellus indicus</i>	Boddaert, 1783	Charadriidae
74	Caspian Plover	<i>Anarhynchus asiaticus</i>	Pallas, 1773	Charadriidae
75	Tibetan Sand-Plover	<i>Anarhynchus atrifrons</i>	Wagler, 1829	Charadriidae
76	Greater Sand-Plover	<i>Anarhynchus leschenaultii</i>	Lesson, 1826	Charadriidae
77	Kentish Plover	<i>Anarhynchus alexandrinus</i>	Linnaeus, 1758	Charadriidae
78	Greater Painted-Snipe	<i>Rostratula benghalensis</i>	Linnaeus, 1758	Rostratulidae
79	Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Scopoli, 1786	Jacanidae
80	Whimbrel	<i>Numenius phaeopus</i>	Linnaeus, 1758	Scolopacidae
81	Eurasian Curlew	<i>Numenius arquata</i>	Linnaeus, 1758	Scolopacidae
82	Pin-tailed Snipe	<i>Gallinago stenura</i>	Bonaparte, 1831	Scolopacidae
83	Common Snipe	<i>Gallinago gallinago</i>	Linnaeus, 1758	Scolopacidae
84	Terek Sandpiper	<i>Xenus cinereus</i>	Güldenstädt, 1775	Scolopacidae
85	Common Sandpiper	<i>Actitis hypoleucos</i>	Linnaeus, 1758	Scolopacidae
86	Green Sandpiper	<i>Tringa ochropus</i>	Linnaeus, 1758	Scolopacidae
87	Wood Sandpiper	<i>Tringa glareola</i>	Linnaeus, 1758	Scolopacidae
88	Common Redshank	<i>Tringa totanus</i>	Linnaeus, 1758	Scolopacidae
89	Spotted Redshank	<i>Tringa erythropus</i>	Pallas, 1764	Scolopacidae
90	Common Greenshank	<i>Tringa nebularia</i>	Gunnerus, 1767	Scolopacidae
91	Ruddy Turnstone	<i>Arenaria interpres</i>	Linnaeus, 1758	Scolopacidae
92	Ruff	<i>Calidris pugnax</i>	Linnaeus, 1758	Scolopacidae
93	Temminck's Stint	<i>Calidris temminckii</i>	Leisler, 1812	Scolopacidae
94	Red-necked Stint	<i>Calidris ruficollis</i>	Pallas, 1776	Scolopacidae
95	Little Stint	<i>Calidris minuta</i>	Leisler, 1812	Scolopacidae
96	Barred Buttonquail	<i>Turnix suscitator</i>	Gmelin, 1789	Turnicidae
97	Small Buttonquail	<i>Turnix sylvaticus</i>	Desfontaines, 1789	Turnicidae
98	Indian Courser	<i>Cursorius coromandelicus</i>	Gmelin, 1789	Glareolidae
99	Small Pratincole	<i>Glareola lactea</i>	Temminck, 1820	Glareolidae
100	Oriental Pratincole	<i>Glareola maldivarum</i>	Forster, 1795	Glareolidae
101	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Linnaeus, 1766	Laridae
102	Brown-headed Gull	<i>Chroicocephalus brunnicephalus</i>	Jerdon, 1840	Laridae
103	Lesser Black-backed Gull	<i>Larus fuscus</i>	Linnaeus, 1758	Laridae
104	Little Tern	<i>Sternula albifrons</i>	Pallas, 1764	Laridae
105	Gull-billed Tern	<i>Gelochelidon nilotica</i>	Gmelin, 1789	Laridae
106	Caspian Tern	<i>Hydroprogne caspia</i>	Pallas, 1770	Laridae
107	Whiskered Tern	<i>Chlidonias hybrida</i>	Pallas, 1811	Laridae
108	River Tern	<i>Sterna aurantia</i>	JE Gray, 1831	Laridae

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109	Common Tern	<i>Sterna hirundo</i>	Linnaeus, 1758	Laridae
110	Black-bellied Tern	<i>Sterna acuticauda</i>	Gray JE, 1831	Laridae
111	Sandwich Tern	<i>Thalasseus sandvicensis</i>	Latham, 1787	Laridae
112	Lesser Crested Tern	<i>Thalasseus bengalensis</i>	Lesson, 1831	Laridae
113	Greater Crested Tern	<i>Thalasseus bergii</i>	Lichtenstein, 1823	Laridae
114	Greater Flamingo	<i>Phoenicopterus roseus</i>	Pallas, 1811	Phoenicopteridae
115	Little Grebe	<i>Tachybaptus ruficollis</i>	Pallas, 1764	Podicipedidae
116	Asian Openbill	<i>Anastomus oscitans</i>	Boddaert, 1783	Ciconiidae
117	Asian Woolly-necked Stork	<i>Ciconia episcopus</i>	Boddaert, 1783	Ciconiidae
118	Painted Stork	<i>Mycteria leucocephala</i>	Pennant, 1769	Ciconiidae
119	Oriental Darter	<i>Anhinga melanogaster</i>	Pennant, 1769	Anhingidae
120	Little Cormorant	<i>Microcarbo niger</i>	Vieillot, 1817	Phalacrocoracidae
121	Great Cormorant	<i>Phalacrocorax carbo</i>	Linnaeus, 1758	Phalacrocoracidae
122	Indian Cormorant	<i>Phalacrocorax fuscicollis</i>	Stephens, 1826	Phalacrocoracidae
123	Glossy Ibis	<i>Plegadis falcinellus</i>	Linnaeus, 1766	Threskiornithidae
124	Black-headed Ibis	<i>Threskiornis melanocephalus</i>	Latham, 1790	Threskiornithidae
125	Red-naped Ibis	<i>Pseudibis papillosa</i>	Temminck, 1824	Threskiornithidae
126	Eurasian Spoonbill	<i>Platalea leucorodia</i>	Linnaeus, 1758	Threskiornithidae
127	Black Bittern	<i>Botaurus flavicollis</i>	Latham, 1790	Ardeidae
128	Cinnamon Bittern	<i>Botaurus cinnamomeus</i>	Gmelin, 1789	Ardeidae
129	Yellow Bittern	<i>Botaurus sinensis</i>	Gmelin, 1789	Ardeidae
130	Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	Linnaeus, 1758	Ardeidae
131	Malayan Night Heron	<i>Gorsachius melanolophus</i>	Raffles, 1822	Ardeidae
132	Little Egret	<i>Egretta garzetta</i>	Linnaeus, 1766	Ardeidae
133	Western Reef-Heron	<i>Egretta gularis</i>	Bosc, 1792	Ardeidae
134	Striated Heron	<i>Butorides striata</i>	Linnaeus, 1758	Ardeidae
135	Indian Pond-Heron	<i>Ardeola grayii</i>	Sykes, 1832	Ardeidae
136	Eastern Cattle Egret	<i>Ardea coromanda</i>	Boddaert, 1783	Ardeidae
137	Great Egret	<i>Ardea alba</i>	Linnaeus, 1758	Ardeidae
138	Medium Egret	<i>Ardea intermedia</i>	Wagler, 1829	Ardeidae
139	Grey Heron	<i>Ardea cinerea</i>	Linnaeus, 1758	Ardeidae
140	Purple Heron	<i>Ardea purpurea</i>	Linnaeus, 1766	Ardeidae
141	Spot-billed Pelican	<i>Pelecanus philippensis</i>	Gmelin, 1789	Pelecanidae
142	Osprey	<i>Pandion haliaetus</i>	Linnaeus, 1758	Pandionidae
143	Black-winged Kite	<i>Elanus caeruleus</i>	Desfontaines, 1789	Accipitridae
144	Egyptian Vulture	<i>Neophron percnopterus</i>	Linnaeus, 1758	Accipitridae
145	Black Baza	<i>Aviceda leuphotes</i>	Dumont, 1820	Accipitridae
146	European Honey-buzzard	<i>Pernis apivorus</i>	Linnaeus, 1758	Accipitridae
147	Oriental Honey-buzzard	<i>Pernis ptilorhynchus</i>	Temminck, 1821	Accipitridae
148	Red-headed Vulture	<i>Sarcogyps calvus</i>	Scopoli, 1786	Accipitridae
149	White-rumped Vulture	<i>Gyps bengalensis</i>	Gmelin, 1788	Accipitridae
150	Indian Vulture	<i>Gyps indicus</i>	Scopoli, 1786	Accipitridae
151	Crested Serpent-Eagle	<i>Spilornis cheela</i>	Latham, 1790	Accipitridae
152	Short-toed Snake-Eagle	<i>Circaetus gallicus</i>	Gmelin, 1788	Accipitridae
153	Legge's Hawk-Eagle	<i>Nisaetus kelaarti</i>	Legge, 1878	Accipitridae
154	Changeable Hawk-Eagle	<i>Nisaetus cirrhatus</i>	Gmelin, 1788	Accipitridae
155	Rufous-bellied Eagle	<i>Lophotriorchis kienerii</i>	G. de Sparre, 1835	Accipitridae
156	Black Eagle	<i>Ictinaetus malaiensis</i>	Temminck, 1822	Accipitridae
157	Indian Spotted Eagle	<i>Clanga hastata</i>	Lesson, 1831	Accipitridae
158	Greater Spotted Eagle	<i>Clanga clanga</i>	Pallas, 1811	Accipitridae
159	Booted Eagle	<i>Hieraaetus pennatus</i>	Gmelin, 1788	Accipitridae
160	Tawny Eagle	<i>Aquila rapax</i>	Temminck, 1828	Accipitridae
161	Bonelli's Eagle	<i>Aquila fasciata</i>	Vieillot, 1822	Accipitridae
162	Crested Goshawk	<i>Lophospiza trivirgata</i>	Temminck, 1824	Accipitridae

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163	Besra	<i>Tachypiza virgatus</i>	Temminck, 1822	Accipitridae
164	Shikra	<i>Tachypiza badius</i>	Gmelin, 1788	Accipitridae
165	Eurasian Sparrowhawk	<i>Accipiter nisus</i>	Linnaeus, 1758	Accipitridae
166	Western Marsh Harrier	<i>Circus aeruginosus</i>	Linnaeus, 1758	Accipitridae
167	Eastern Marsh Harrier	<i>Circus spilonotus</i>	Kaup, 1847	Accipitridae
168	Pallid Harrier	<i>Circus macrourus</i>	S. G. Gmelin, 1770	Accipitridae
169	Pied Harrier	<i>Circus melanoleucos</i>	Pennant, 1769	Accipitridae
170	Montagu's Harrier	<i>Circus pygargus</i>	Linnaeus, 1758	Accipitridae
171	Black Kite	<i>Milvus migrans</i>	Boddaert, 1783	Accipitridae
172	Brahminy Kite	<i>Haliastur indus</i>	Boddaert, 1783	Accipitridae
173	White-bellied Sea-Eagle	<i>Icthyophaga leucogaster</i>	Gmelin, 1788	Accipitridae
174	Lesser Fish-Eagle	<i>Icthyophaga humilis</i>	Müller & Schlegel, 1841	Accipitridae
175	White-eyed Buzzard	<i>Butastur teesa</i>	Franklin, 1831	Accipitridae
176	Common Buzzard	<i>Buteo buteo</i>	Linnaeus, 1758	Accipitridae
177	Eastern Barn Owl	<i>Tyto javanica</i>	Gmelin, 1788	Tytonidae
178	Indian Scops-Owl	<i>Otus bakkamoena</i>	Pennant, 1769	Strigidae
179	Oriental Scops-Owl	<i>Otus sunia</i>	Hodgson, 1836	Strigidae
180	Rock Eagle-Owl	<i>Bubo bengalensis</i>	Franklin, 1831	Strigidae
181	Brown Fish-Owl	<i>Ketupa zeylonensis</i>	Gmelin, 1788	Strigidae
182	Spot-bellied Eagle-Owl	<i>Ketupa nipalensis</i>	Hodgson, 1836	Strigidae
183	Jungle Owlet	<i>Glaucidium radiatum</i>	Tickell, 1833	Strigidae
184	Spotted Owlet	<i>Athene brama</i>	Temminck, 1821	Strigidae
185	Mottled Wood-Owl	<i>Strix ocellata</i>	Lesson, 1839	Strigidae
186	Brown Wood-Owl	<i>Strix leptogrammica</i>	Temminck, 1832	Strigidae
187	Brown Boobook	<i>Ninox scutulata</i>	Raffles, 1822	Strigidae
188	Malabar Trogon	<i>Harpactes fasciatus</i>	Pennant, 1769	Trogonidae
189	Eurasian Hoopoe	<i>Upupa epops</i>	Linnaeus, 1758	Upupidae
190	Great Hornbill	<i>Buceros bicornis</i>	Linnaeus, 1758	Bucerotidae
191	Indian Gray Hornbill	<i>Ocyrceros birostris</i>	Scopoli, 1786	Bucerotidae
192	Malabar Gray Hornbill	<i>Ocyrceros griseus</i>	Latham, 1790	Bucerotidae
193	Malabar Pied-Hornbill	<i>Anthraceroceros coronatus</i>	Boddaert, 1783	Bucerotidae
194	Blue-bearded Bee-eater	<i>Nyctyornis athertoni</i>	Jardine & Selby, 1828	Meropidae
195	Asian Green Bee-eater	<i>Merops orientalis</i>	Latham, 1801	Meropidae
196	Blue-tailed Bee-eater	<i>Merops philippinus</i>	Linnaeus, 1767	Meropidae
197	European Bee-eater	<i>Merops apiaster</i>	Linnaeus, 1758	Meropidae
198	Chestnut-headed Bee-eater	<i>Merops leschenaulti</i>	Vieillot, 1817	Meropidae
199	Common Kingfisher	<i>Alcedo atthis</i>	Linnaeus, 1758	Alcedinidae
200	Stork-billed Kingfisher	<i>Pelargopsis capensis</i>	Linnaeus, 1766	Alcedinidae
201	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Linnaeus, 1758	Alcedinidae
202	Black-capped Kingfisher	<i>Halcyon pileata</i>	Boddaert, 1783	Alcedinidae
203	Pied Kingfisher	<i>Ceryle rudis</i>	Linnaeus, 1758	Alcedinidae
204	Indian Roller	<i>Coracias benghalensis</i>	Linnaeus, 1758	Coraciidae
205	Dollarbird	<i>Eurystomus orientalis</i>	Linnaeus, 1766	Coraciidae
206	Malabar Barbet	<i>Psilopogon malabaricus</i>	Blyth, 1847	Megalaimidae
207	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Statius Müller, 1776	Megalaimidae
208	Brown-headed Barbet	<i>Psilopogon zeylanicus</i>	Gmelin, 1788	Megalaimidae
209	White-cheeked Barbet	<i>Psilopogon viridis</i>	Boddaert, 1783	Megalaimidae
210	Eurasian Wryneck	<i>Jynx torquilla</i>	Linnaeus, 1758	Picidae
211	Speckled Piculet	<i>Picumnus innominatus</i>	Burton, 1836	Picidae
212	Heart-spotted Woodpecker	<i>Hemicircus canente</i>	Lesson, 1832	Picidae
213	Brown-capped Woodpecker	<i>Yungipicus nanus</i>	Vigors, 1832	Picidae
214	Yellow-crowned Woodpecker	<i>Leiopicus mahrattensis</i>	Latham, 1801	Picidae
215	Greater Flameback	<i>Chrysocolaptes guttacristatus</i>	Tickell, 1833	Picidae
216	Malabar Flameback	<i>Chrysocolaptes socialis</i>	Koelz, 1939	Picidae

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217	White-naped Woodpecker	<i>Chrysocolaptes festivus</i>	Boddaert, 1783	Picidae
218	Rufous Woodpecker	<i>Micropternus brachyurus</i>	Vieillot, 1818	Picidae
219	Common Flameback	<i>Dinopium javanense</i>	Ljungh, 1797	Picidae
220	Black-rumped Flameback	<i>Dinopium benghalense</i>	Linnaeus, 1758	Picidae
221	Lesser Yellownape	<i>Picus chlorolophus</i>	Vieillot, 1818	Picidae
222	Streak-throated Woodpecker	<i>Picus xanthopygaeus</i>	Gray & Gray, 1846	Picidae
223	White-bellied Woodpecker	<i>Dryocopus javensis</i>	Horsfield, 1821	Picidae
224	Lesser Kestrel	<i>Falco naumanni</i>	Fleischer, 1818	Falconidae
225	Eurasian Kestrel	<i>Falco tinnunculus</i>	Linnaeus, 1758	Falconidae
226	Red-necked Falcon	<i>Falco chicquera</i>	Daudin, 1800	Falconidae
227	Amur Falcon	<i>Falco amurensis</i>	Radde, 1863	Falconidae
228	Laggar Falcon	<i>Falco jugger</i>	JE Gray, 1834	Falconidae
229	Peregrine Falcon	<i>Falco peregrinus</i>	Tunstall, 1771	Falconidae
230	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Scopoli, 1769	Psittaculidae
231	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>	Linnaeus, 1766	Psittaculidae
232	Malabar Parakeet	<i>Psittacula columboides</i>	Vigors, 1830	Psittaculidae
233	Vernal Hanging-Parrot	<i>Loriculus vernalis</i>	Sparrman, 1787	Psittaculidae
234	Indian Pitta	<i>Pitta brachyura</i>	Linnaeus, 1766	Pittidae
235	White-bellied Minivet	<i>Pericrocotus erythropygius</i>	Jerdon, 1840	Campephagidae
236	Small Minivet	<i>Pericrocotus cinnamomeus</i>	Linnaeus, 1766	Campephagidae
237	Orange Minivet	<i>Pericrocotus flammeus</i>	Forster, 1781	Campephagidae
238	Indian Cuckooshrike	<i>Coracina macei</i>	Lesson, 1831	Campephagidae
239	Black-winged Cuckooshrike	<i>Lalage melaschistos</i>	Hodgson, 1836	Campephagidae
240	Black-headed Cuckooshrike	<i>Lalage melanoptera</i>	Rüppell, 1839	Campephagidae
241	Indian Golden Oriole	<i>Oriolus kundoo</i>	Sykes, 1832	Oriolidae
242	Black-naped Oriole	<i>Oriolus chinensis</i>	Linnaeus, 1766	Oriolidae
243	Black-hooded Oriole	<i>Oriolus xanthornus</i>	Linnaeus, 1758	Oriolidae
244	Ashy Woodswallow	<i>Artamus fuscus</i>	Vieillot, 1817	Artamidae
245	Malabar Woodshrike	<i>Tephrodornis sylvicola</i>	Jerdon, 1839	Vangidae
246	Common Woodshrike	<i>Tephrodornis pondicerianus</i>	Gmelin, 1789	Vangidae
247	Bar-winged Flycatcher-shrike	<i>Hemipus picatus</i>	Sykes, 1832	Vangidae
248	Common Iora	<i>Aegithina tiphia</i>	Linnaeus, 1758	Aegithinidae
249	White-tailed Iora	<i>Aegithina nigrolutea</i>	Marshall, 1876	Aegithinidae
250	Spot-breasted Fantail	<i>Rhipidura albogularis</i>	Lesson, 1832	Rhipiduridae
251	White-browed Fantail	<i>Rhipidura aureola</i>	Lesson, 1831	Rhipiduridae
252	Black Drongo	<i>Dicrurus macrocercus</i>	Vieillot, 1817	Dicruridae
253	Ashy Drongo	<i>Dicrurus leucophaeus</i>	Vieillot, 1817	Dicruridae
254	White-bellied Drongo	<i>Dicrurus caeruleus</i>	Linnaeus, 1758	Dicruridae
255	Bronzed Drongo	<i>Dicrurus aeneus</i>	Vieillot, 1817	Dicruridae
256	Greater Racket-tailed Drongo	<i>Dicrurus paradiseus</i>	Linnaeus, 1766	Dicruridae
257	Black-naped Monarch	<i>Hypothymis azurea</i>	Boddaert, 1783	Monarchidae
258	Indian Paradise-Flycatcher	<i>Terpsiphone paradisi</i>	Linnaeus, 1758	Monarchidae
259	Brown Shrike	<i>Lanius cristatus</i>	Linnaeus, 1758	Laniidae
260	Bay-backed Shrike	<i>Lanius vittatus</i>	Valenciennes, 1826	Laniidae
261	Long-tailed Shrike	<i>Lanius schach</i>	Linnaeus, 1758	Laniidae
262	Great Grey Shrike	<i>Lanius excubitor</i>	Linnaeus, 1758	Laniidae
263	Rufous Treepie	<i>Dendrocitta vagabunda</i>	Latham, 1790	Corvidae
264	White-bellied Treepie	<i>Dendrocitta leucogastra</i>	Gould, 1833	Corvidae
265	House Crow	<i>Corvus splendens</i>	Vieillot, 1817	Corvidae
266	Large-billed Crow	<i>Corvus macrorhynchos</i>	Wagler, 1827	Corvidae
267	Grey-headed Canary-Flycatcher	<i>Culicicapa ceylonensis</i>	Swainson, 1820	Stenostriidae
268	Asian Tit	<i>Parus cinereus</i>	Vieillot, 1818	Paridae
269	White-naped Tit	<i>Machlolophus nuchalis</i>	Jerdon, 1845	Paridae
270	Indian Yellow Tit	<i>Machlolophus aulonotus</i>	Blyth, 1847	Paridae

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271	Rufous-tailed Lark	<i>Ammomanes phoenicura</i>	Franklin, 1831	Alaudidae
272	Ashy-crowned Sparrow-Lark	<i>Eremopterix griseus</i>	Scopoli, 1786	Alaudidae
273	Jerdon's Bushlark	<i>Plocealauda affinis</i>	Blyth, 1845	Alaudidae
274	Indian Bushlark	<i>Plocealauda erythroptera</i>	Blyth, 1845	Alaudidae
275	Singing Bushlark	<i>Mirafra cantillans</i>	Blyth, 1845	Alaudidae
276	Oriental Skylark	<i>Alauda gulgula</i>	Franklin, 1831	Alaudidae
277	Malabar Lark	<i>Galerida malabarica</i>	Scopoli, 1786	Alaudidae
278	Common Tailorbird	<i>Orthotomus sutorius</i>	Pennant, 1769	Cisticolidae
279	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Blyth, 1844	Cisticolidae
280	Jungle Prinia	<i>Prinia sylvatica</i>	Jerdon, 1840	Cisticolidae
281	Ashy Prinia	<i>Prinia socialis</i>	Sykes, 1832	Cisticolidae
282	Plain Prinia	<i>Prinia inornata</i>	Sykes, 1832	Cisticolidae
283	Zitting Cisticola	<i>Cisticola juncidis</i>	Rafinesque, 1810	Cisticolidae
284	Thick-billed Warbler	<i>Arundinax aedon</i>	Pallas, 1776	Acrocephalidae
285	Booted Warbler	<i>Iduna caligata</i>	Lichtenstein, 1823	Acrocephalidae
286	Sykes's Warbler	<i>Iduna rama</i>	Sykes, 1832	Acrocephalidae
287	Paddyfield Warbler	<i>Acrocephalus agricola</i>	Jerdon, 1845	Acrocephalidae
288	Blyth's Reed Warbler	<i>Acrocephalus dumetorum</i>	Blyth, 1849	Acrocephalidae
289	Clamorous Reed Warbler	<i>Acrocephalus stentoreus</i>	Hemprich & Ehren- berg, 1833	Acrocephalidae
290	Broad-tailed Grassbird	<i>Schoenicola platyurus</i>	Jerdon, 1841	Locustellidae
291	Dusky Crag-Martin	<i>Ptyonoprogne concolor</i>	Sykes, 1832	Hirundinidae
292	Hill Swallow	<i>Hirundo domicola</i>	Jerdon, 1841	Hirundinidae
293	Barn Swallow	<i>Hirundo rustica</i>	Linnaeus, 1758	Hirundinidae
294	Wire-tailed Swallow	<i>Hirundo smithii</i>	Leach, 1818	Hirundinidae
295	Eastern Red-rumped Swallow	<i>Cecropis daurica</i>	Laxmann, 1769	Hirundinidae
296	Streak-throated Swallow	<i>Petrochelidon fluvicola</i>	Blyth, 1855	Hirundinidae
297	Yellow-browed Bulbul	<i>Acritillas indica</i>	Jerdon, 1839	Pycnonotidae
298	Square-tailed Bulbul	<i>Hypsipetes ganeesa</i>	Sykes, 1832	Pycnonotidae
299	Grey-headed Bulbul	<i>Microtarsus priocephalus</i>	Jerdon, 1839	Pycnonotidae
300	Flame-throated Bulbul	<i>Rubigula gularis</i>	Gould, 1836	Pycnonotidae
301	White-browed Bulbul	<i>Pycnonotus luteolus</i>	Lesson, 1841	Pycnonotidae
302	Yellow-throated Bulbul	<i>Pycnonotus xantholaemus</i>	Jerdon, 1845	Pycnonotidae
303	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Linnaeus, 1758	Pycnonotidae
304	Red-vented Bulbul	<i>Pycnonotus cafer</i>	Linnaeus, 1766	Pycnonotidae
305	Tytler's Leaf Warbler	<i>Phylloscopus tytleri</i>	Brooks, 1871	Phylloscopidae
306	Tickell's Leaf Warbler	<i>Phylloscopus affinis</i>	Tickell, 1833	Phylloscopidae
307	Green Warbler	<i>Phylloscopus nitidus</i>	Blyth, 1843	Phylloscopidae
308	Greenish Warbler	<i>Phylloscopus trochiloides</i>	Sundevall, 1837	Phylloscopidae
309	Large-billed Leaf Warbler	<i>Phylloscopus magnirostris</i>	Blyth, 1843	Phylloscopidae
310	Lesser Whitethroat	<i>Curruca curruca</i>	Linnaeus, 1758	Sylviidae
311	Yellow-eyed Babbler	<i>Chrysomma sinense</i>	Gmelin, 1789	Sylviidae
312	Indian White-eye	<i>Zosterops palpebrosus</i>	Temminck, 1824	Zosteropidae
313	Tawny-bellied Babbler	<i>Dumetia hyperythra</i>	Franklin, 1831	Timaliidae
314	Dark-fronted Babbler	<i>Dumetia atriceps</i>	Jerdon, 1839	Timaliidae
315	Pin-striped Tit-Babbler	<i>Mixornis gularis</i>	Horsfield, 1822	Timaliidae
316	Indian Scimitar-Babbler	<i>Pomatorhinus horsfieldii</i>	Sykes, 1832	Timaliidae
317	Puff-throated Babbler	<i>Pellorneum ruficeps</i>	Swainson, 1832	Pellorneidae
318	Brown-cheeked Fulvetta	<i>Alcippe poioicephala</i>	Jerdon, 1841	Leiothrichidae
319	Nilgiri Laughingthrush	<i>Montecincla cachinnans</i>	Jerdon, 1839	Leiothrichidae
320	Palani Laughingthrush	<i>Montecincla fairbanki</i>	Blanford, 1869	Leiothrichidae
321	Ashambu Laughingthrush	<i>Montecincla meridionalis</i>	Blanford, 1880	Leiothrichidae
322	Large Grey Babbler	<i>Argya malcolmi</i>	Sykes, 1832	Leiothrichidae
323	Rufous Babbler	<i>Argya subrufa</i>	Jerdon, 1839	Leiothrichidae
324	Jungle Babbler	<i>Argya striata</i>	Dumont, 1823	Leiothrichidae

S. No	Species Name	Scientific Name	Species Authority	Family
325	Yellow-billed Babbler	<i>Argya affinis</i>	Jerdon, 1845	Leiothrichidae
326	Common Babbler	<i>Argya caudata</i>	Dumont, 1823	Leiothrichidae
327	Wayanad Laughingthrush	<i>Pterorhinus delesserti</i>	Jerdon, 1839	Leiothrichidae
328	Velvet-fronted Nuthatch	<i>Sitta frontalis</i>	Swainson, 1820	Sittidae
329	Indian Nuthatch	<i>Sitta castanea</i>	Lesson, 1830	Sittidae
330	Southern Hill Myna	<i>Gracula indica</i>	Cuvier, 1829	Sturnidae
331	Rosy Starling	<i>Pastor roseus</i>	Linnaeus, 1758	Sturnidae
332	Indian Pied Starling	<i>Gracupica contra</i>	Linnaeus, 1758	Sturnidae
333	Brahminy Starling	<i>Sturnia pagodarum</i>	Gmelin, 1789	Sturnidae
334	Chestnut-tailed Starling	<i>Sturnia malabarica</i>	Gmelin, 1789	Sturnidae
335	Malabar Starling	<i>Sturnia blythii</i>	Jerdon, 1845	Sturnidae
336	Common Myna	<i>Acridotheres tristis</i>	Linnaeus, 1766	Sturnidae
337	Jungle Myna	<i>Acridotheres fuscus</i>	Wagler, 1827	Sturnidae
338	Nilgiri Thrush	<i>Zoothera neilgherriensis</i>	Blyth, 1847	Turdidae
339	Orange-headed Thrush	<i>Geokichla citrina</i>	Latham, 1790	Turdidae
340	Indian Blackbird	<i>Turdus simillimus</i>	Jerdon, 1839	Turdidae
341	Dark-sided Flycatcher	<i>Muscicapa sibirica</i>	Gmelin, 1789	Muscicapidae
342	Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Pallas, 1811	Muscicapidae
343	Brown-breasted Flycatcher	<i>Muscicapa muttui</i>	Layard, 1854	Muscicapidae
344	Indian Robin	<i>Copsychus fulicatus</i>	Linnaeus, 1766	Muscicapidae
345	Oriental Magpie Robin	<i>Copsychus saularis</i>	Linnaeus, 1758	Muscicapidae
346	White-rumped Shama	<i>Copsychus malabaricus</i>	Scopoli, 1786	Muscicapidae
347	Nilgiri Sholakili	<i>Sholicola major</i>	Jerdon, 1841	Muscicapidae
348	White-bellied Sholakili	<i>Sholicola albiventris</i>	Blanford, 1868	Muscicapidae
349	Blue-and-white Flycatcher	<i>Cyanoptila cyanomelana</i>	Temminck, 1829	Muscicapidae
350	Nilgiri Flycatcher	<i>Eumyias albicaudatus</i>	Jerdon, 1840	Muscicapidae
351	Verditer Flycatcher	<i>Eumyias thalassinus</i>	Swainson, 1838	Muscicapidae
352	White-bellied Blue Flycatcher	<i>Cyornis pallidipes</i>	Jerdon, 1840	Muscicapidae
353	Blue-throated Flycatcher	<i>Cyornis rubeculoides</i>	Vigors, 1831	Muscicapidae
354	Tickell's Blue Flycatcher	<i>Cyornis tickelliae</i>	Blyth, 1843	Muscicapidae
355	Indian Blue Robin	<i>Larvivora brunnea</i>	Hodgson, 1837	Muscicapidae
356	Malabar Whistling Thrush	<i>Myophonus horsfieldii</i>	Vigors, 1831	Muscicapidae
357	Black and Orange Flycatcher	<i>Ficedula nigrorufa</i>	Jerdon, 1839	Muscicapidae
358	Rusty-tailed Flycatcher	<i>Ficedula ruficauda</i>	Swainson, 1838	Muscicapidae
359	Taiga Flycatcher	<i>Ficedula albicilla</i>	Pallas, 1811	Muscicapidae
360	Kashmir Flycatcher	<i>Ficedula subrubra</i>	Hartert & Steinbacher, 1934	Muscicapidae
361	Red-breasted Flycatcher	<i>Ficedula parva</i>	Bechstein, 1792	Muscicapidae
362	Blue-capped Rock Thrush	<i>Monticola cinclorhyncha</i>	Vigors, 1831	Muscicapidae
363	Blue Rock Thrush	<i>Monticola solitarius</i>	Linnaeus, 1758	Muscicapidae
364	Pied Bushchat	<i>Saxicola caprata</i>	Linnaeus, 1766	Muscicapidae
365	Thick-billed Flowerpecker	<i>Pachyglossa agilis</i>	Tickell, 1833	Dicaeidae
366	Pale-billed Flowerpecker	<i>Dicaeum erythrorhynchos</i>	Latham, 1790	Dicaeidae
367	Nilgiri Flowerpecker	<i>Dicaeum concolor</i>	Jerdon, 1840	Dicaeidae
368	Purple-rumped Sunbird	<i>Leptocoma zeylonica</i>	Linnaeus, 1766	Nectariniidae
369	Crimson-backed Sunbird	<i>Leptocoma minima</i>	Sykes, 1832	Nectariniidae
370	Purple Sunbird	<i>Cinnyris asiaticus</i>	Latham, 1790	Nectariniidae
371	Loten's Sunbird	<i>Cinnyris lotenius</i>	Linnaeus, 1766	Nectariniidae
372	Little Spiderhunter	<i>Arachnothera longirostra</i>	Latham, 1790	Nectariniidae
373	Asian Fairy-bluebird	<i>Irena puella</i>	Latham, 1790	Irenidae
374	Jerdon's Leafbird	<i>Chloropsis jerdoni</i>	Blyth, 1844	Chloropseidae
375	Golden-fronted Leafbird	<i>Chloropsis aurifrons</i>	Temminck, 1829	Chloropseidae
376	Streaked Weaver	<i>Ploceus manyar</i>	Horsfield, 1821	Ploceidae
377	Baya Weaver	<i>Ploceus philippinus</i>	Linnaeus, 1766	Ploceidae
378	Indian Silverbill	<i>Euodice malabarica</i>	Linnaeus, 1758	Estrildidae

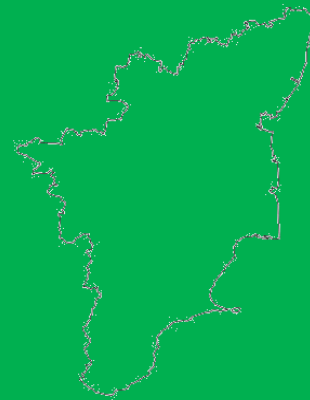
S. No	Species Name	Scientific Name	Species Authority	Family
379	Scaly-breasted Munia	<i>Lonchura punctulata</i>	Linnaeus, 1758	Estrildidae
380	Black-throated Munia	<i>Lonchura kelaarti</i>	Jerdon, 1863	Estrildidae
381	White-rumped Munia	<i>Lonchura striata</i>	Linnaeus, 1766	Estrildidae
382	Tricolored Munia	<i>Lonchura malacca</i>	Linnaeus, 1766	Estrildidae
383	Red Avadavat	<i>Amandava amandava</i>	Linnaeus, 1758	Estrildidae
384	House Sparrow	<i>Passer domesticus</i>	Linnaeus, 1758	Passeridae
385	Yellow-throated Sparrow	<i>Gymnoris xanthocollis</i>	Burton, 1838	Passeridae
386	Forest Wagtail	<i>Dendronanthus indicus</i>	Gmelin, 1789	Motacillidae
387	Grey Wagtail	<i>Motacilla cinerea</i>	Tunstall, 1771	Motacillidae
388	Western Yellow Wagtail	<i>Motacilla flava</i>	Linnaeus, 1758	Motacillidae
389	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Gmelin, 1789	Motacillidae
390	Citrine Wagtail	<i>Motacilla citreola</i>	Pallas, 1776	Motacillidae
391	White-browed Wagtail	<i>Motacilla maderaspatensis</i>	Gmelin, 1789	Motacillidae
392	White Wagtail	<i>Motacilla alba</i>	Linnaeus, 1758	Motacillidae
393	Richard's Pipit	<i>Anthus richardi</i>	Vieillot, 1818	Motacillidae
394	Paddyfield Pipit	<i>Anthus rufulus</i>	Vieillot, 1818	Motacillidae
395	Long-billed Pipit	<i>Anthus similis</i>	Jerdon, 1840	Motacillidae
396	Blyth's Pipit	<i>Anthus godlewskii</i>	Taczanowski, 1876	Motacillidae
397	Tawny Pipit	<i>Anthus campestris</i>	Linnaeus, 1758	Motacillidae
398	Nilgiri Pipit	<i>Anthus nilghiriensis</i>	Sharpe, 1885	Motacillidae
399	Tree Pipit	<i>Anthus trivialis</i>	Linnaeus, 1758	Motacillidae
400	Common Rosefinch	<i>Carpodacus erythrinus</i>	Pallas, 1770	Fringillidae
401	Grey-necked Bunting	<i>Emberiza buchanani</i>	Blyth, 1845	Emberizidae

Notes:

1. The list provided here is subjected to further scrutiny of their presence, especially with respect to certain rare species, and may be changed in the final report.
2. New taxonomic revisions have moved a few birds from their traditional genus and family, into new genus and or new family, and hence one would find differences across various references currently.
3. Readers are advised to verify the taxonomic contents provided here for its correctness before using them. Despite the care taken, there may be a few errors inadvertently present.



District Overview

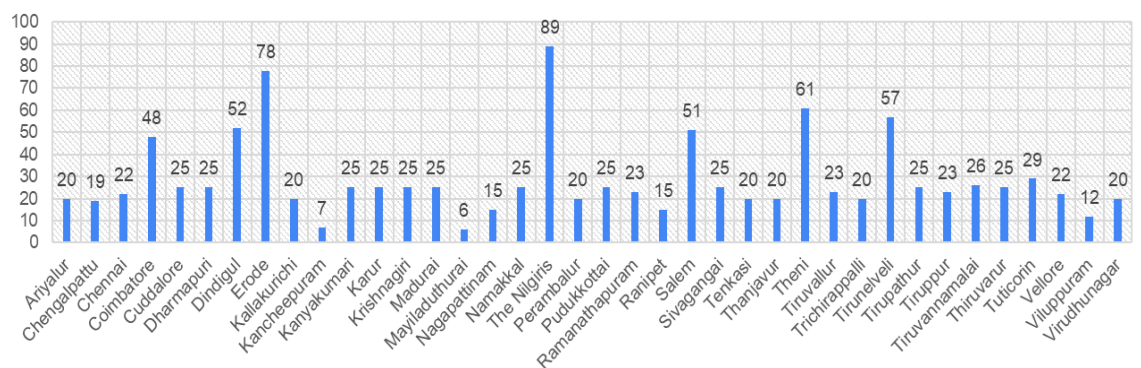


Average number of terrestrial birding spots surveyed per division & district

A total of **1093** terrestrial birding spots have been surveyed. All divisions have been advised to select about 20 per district. Maximum number of spots have been selected by SMTR– Meghamalai, Erode STR Sathy and Tuticorin divisions.

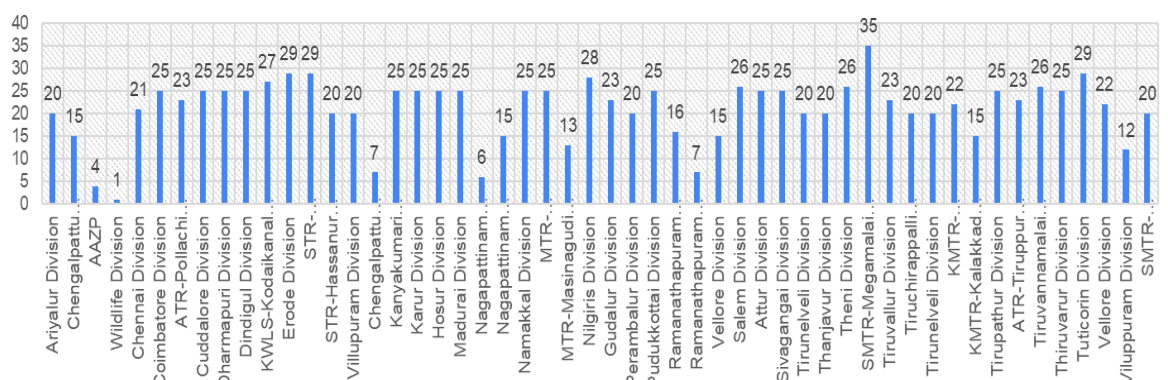
28.8

No of Spots per District



21.4

No of Spots per division

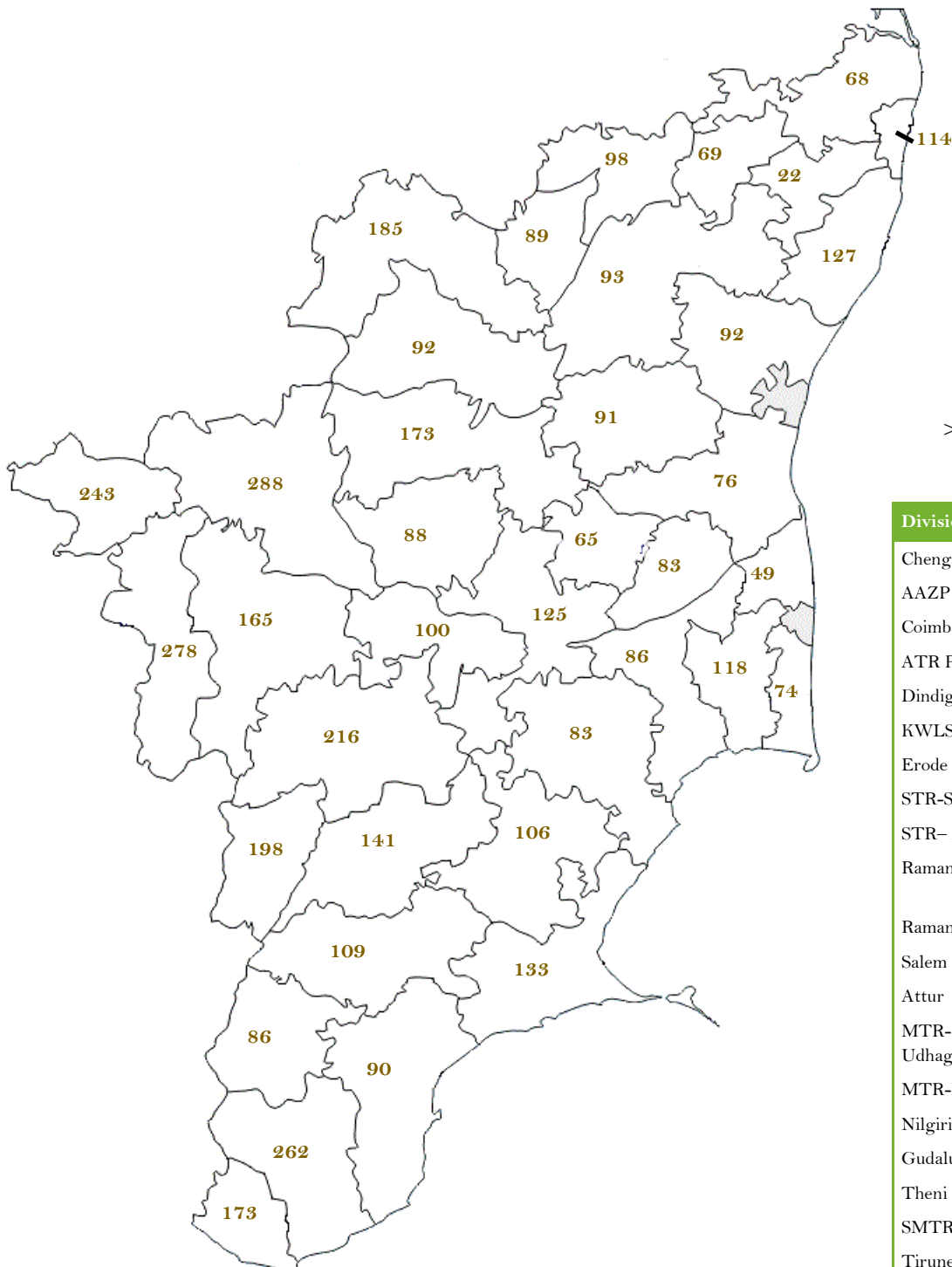


DISTRICT WISE BIRD SPECIES RECORDED



401

Total Bird Species



> 1 divisions per district
data- division wise

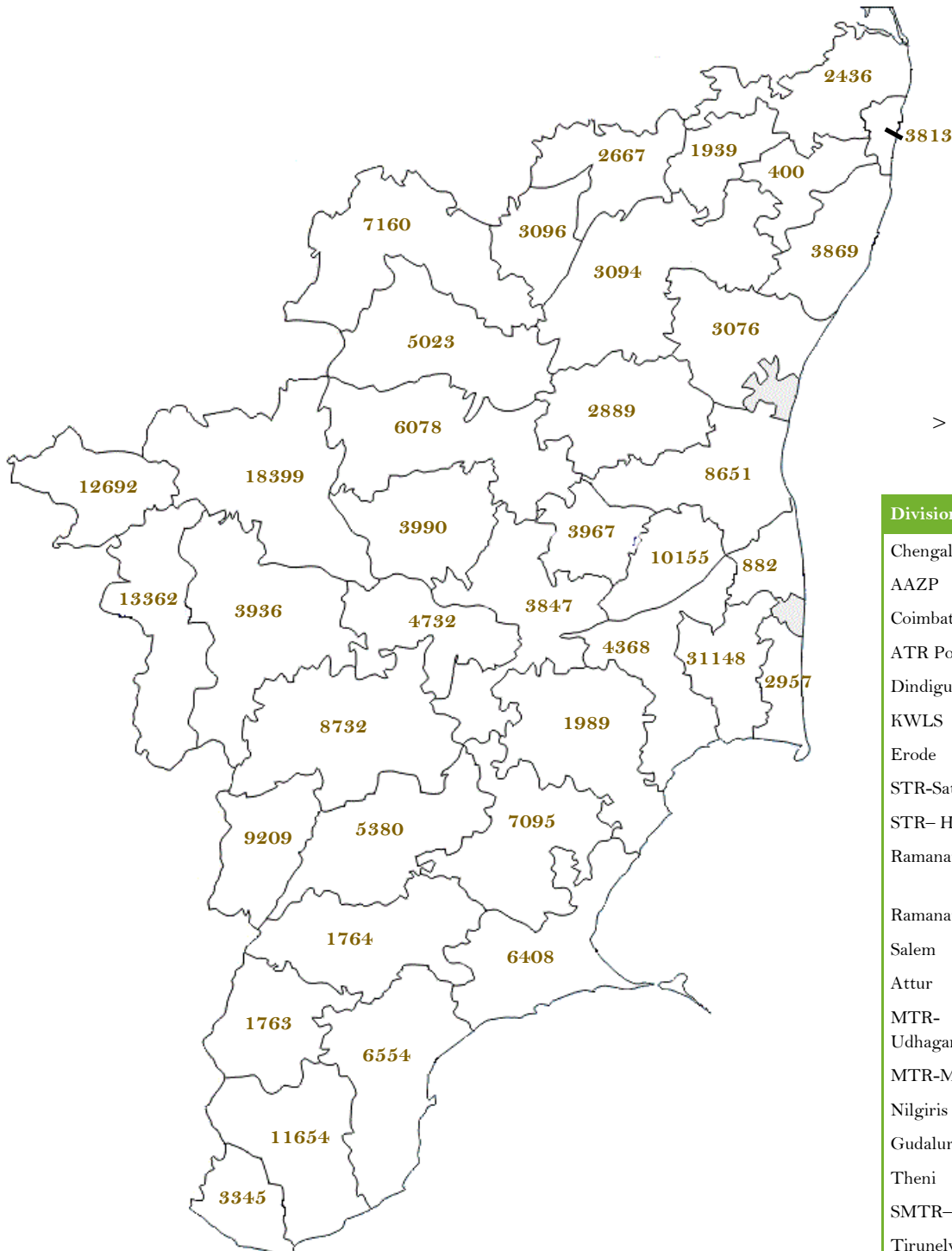
Division	Species
Chengalpattu	114
AAZP	67
Coimbatore	230
ATR Pollachi	207
Dindigul	157
KWLS	182
Erode	186
STR-Sathyamangalam	233
STR- Hassanur	174
Ramanathapuram WLD	133
Ramanathapuram TD	33
Salem	156
Attur	124
MTR-Udhagamandalam	173
MTR-Masinagudi	163
Nilgiris	130
Gudalur	139
Theni	120
SMTR- Meghamalai	192
Tirunelveli	102
KMTR-Ambasamuthiram	206
KMTR-Kalakkad	150

DISTRICT WISE BIRD DIRECT COUNTED



232519

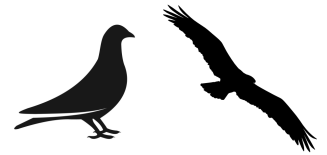
Total Bird Count



> 1divisions per district
data- division wise

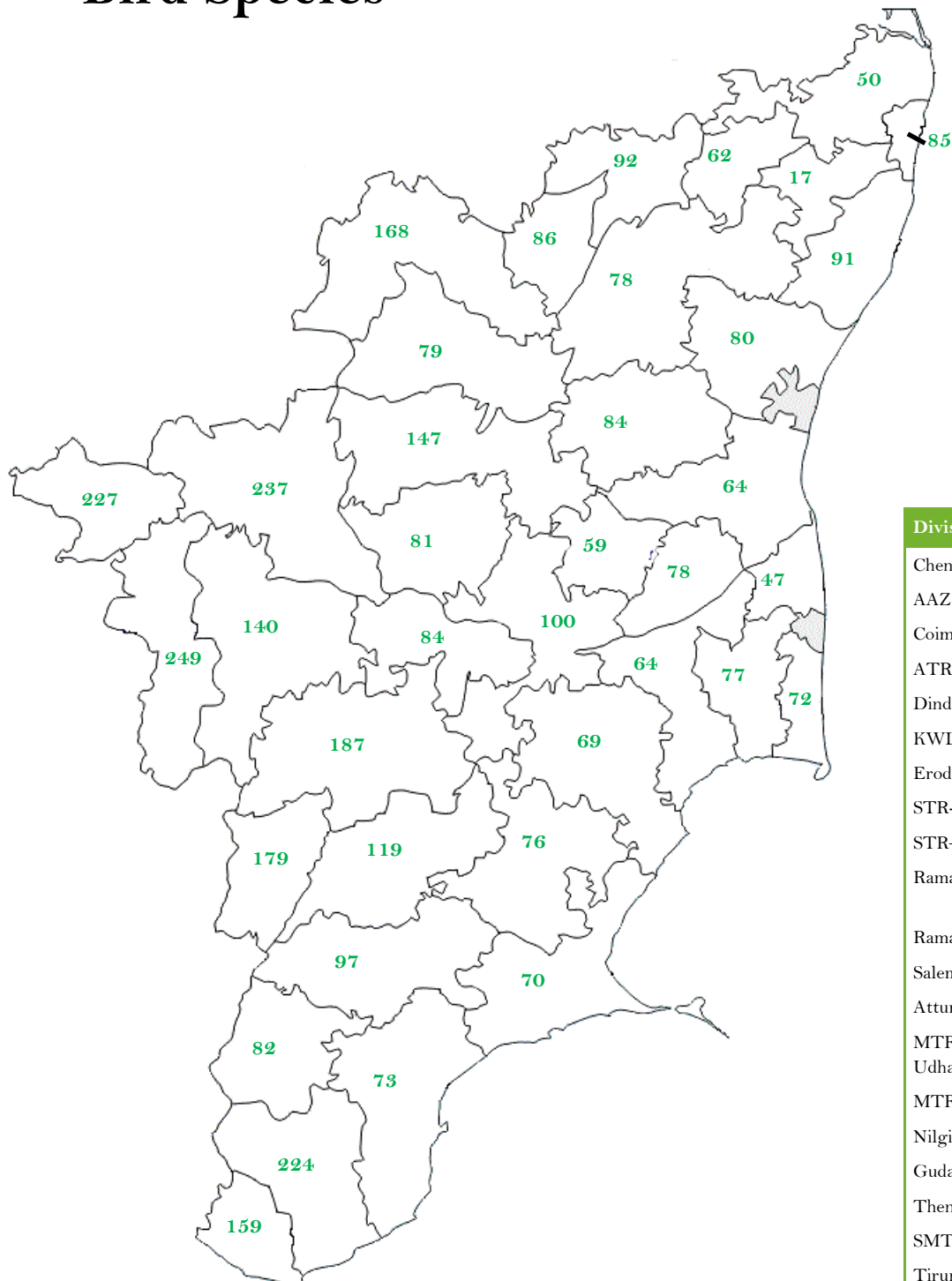
Division	Count
Chengalpattu	2913
AAZP	956
Coimbatore	9033
ATR Pollachi	4329
Dindigul	5193
KWLS	3539
Erode	8299
STR-Sathyamangalam	6136
STR- Hassanur	3964
Ramanathapuram WLD	4944
Ramanathapuram TD	1464
Salem	3039
Attur	3039
MTR-Udhagamandalam	2884
MTR-Masinagudi	3242
Nilgiris	3558
Gudalur	3008
Theni	2897
SMTR- Meghamalai	6312
Tirunelveli	3826
KMTR-Ambasamuthiram	6211
KMTR-Kalakkad	1617

DISTRICT WISE TERRESTRIAL BIRD SPECIES RECORDED



311

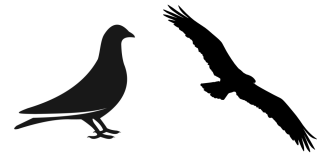
Total Terrestrial Bird Species



> 1 divisions per district
data- division wise

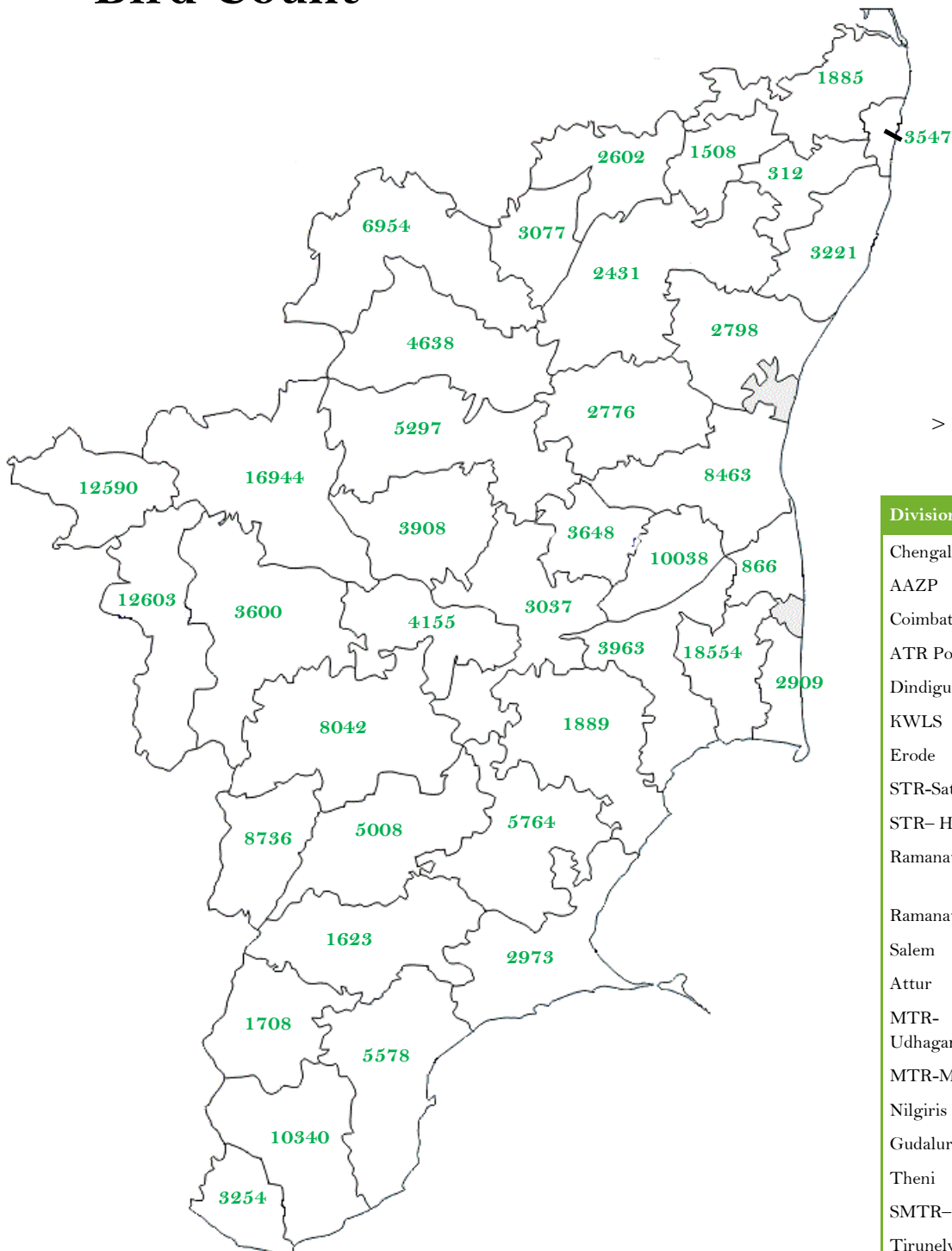
Division	Species
Chengalpattu	80
AAZP	49
Coimbatore	205
ATR Pollachi	187
Dindigul	132
KWLS	170
Erode	142
STR-Sathyamangalam	204
STR- Hassanur	163
Ramanathapuram WLD	70
Ramanathapuram TD	31
Salem	139
Attur	101
MTR-Udhagamandalam	165
MTR-Masinagudi	155
Nilgiris	124
Gudalur	139
Theni	109
SMTR- Meghamalai	175
Tirunelveli	87
KMTR-Ambasamuthiram	181
KMTR-Kalakkad	139

DISTRICT WISE TERRESTRIAL BIRD DIRECT COUNTED



201239

Total Terrestrial Bird Count



> 1 divisions per district
data- division wise

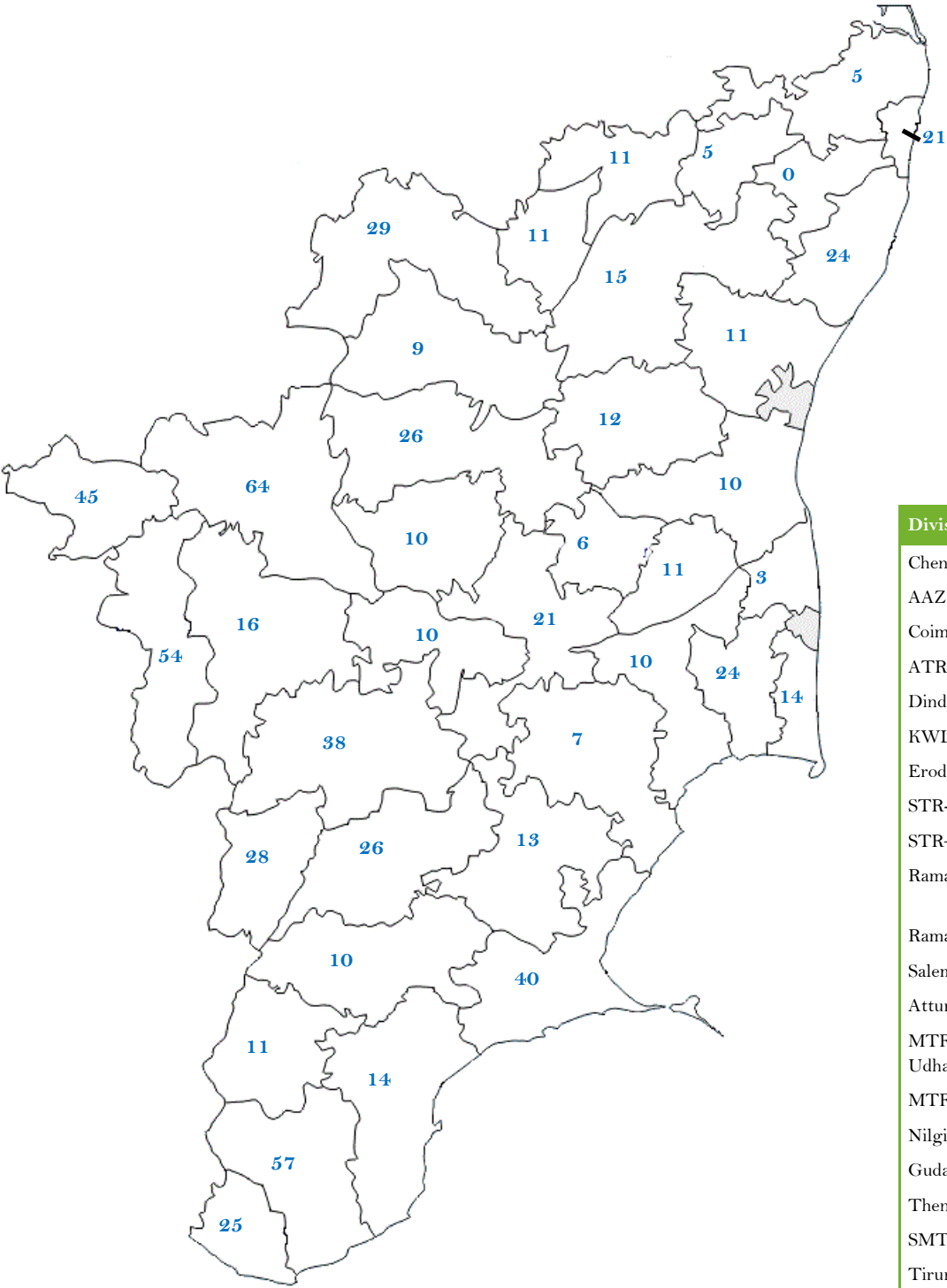
Division	Count
Chengalpattu	2408
AAZP	813
Coimbatore	8478
ATR Pollachi	4125
Dindigul	4547
KWLS	3495
Erode	7195
STR-Sathyamangalam	5886
STR- Hassanur	3863
Ramanathapuram WLD	1569
Ramanathapuram TD	1404
Salem	2922
Attur	2375
MTR-Udhagamandalam	2856
MTR-Masinagudi	3193
Nilgiris	3533
Gudalur	3008
Theni	2676
SMTR- Meghamalai	6060
Tirunelveli	3069
KMTR-Ambasamuthiram	5701
KMTR-Kalakkad	1570

DISTRICT WISE MIGRANT BIRD SPECIES RECORDED



118

Total Migrant Bird Species



> 1divisions per district
data– division wise

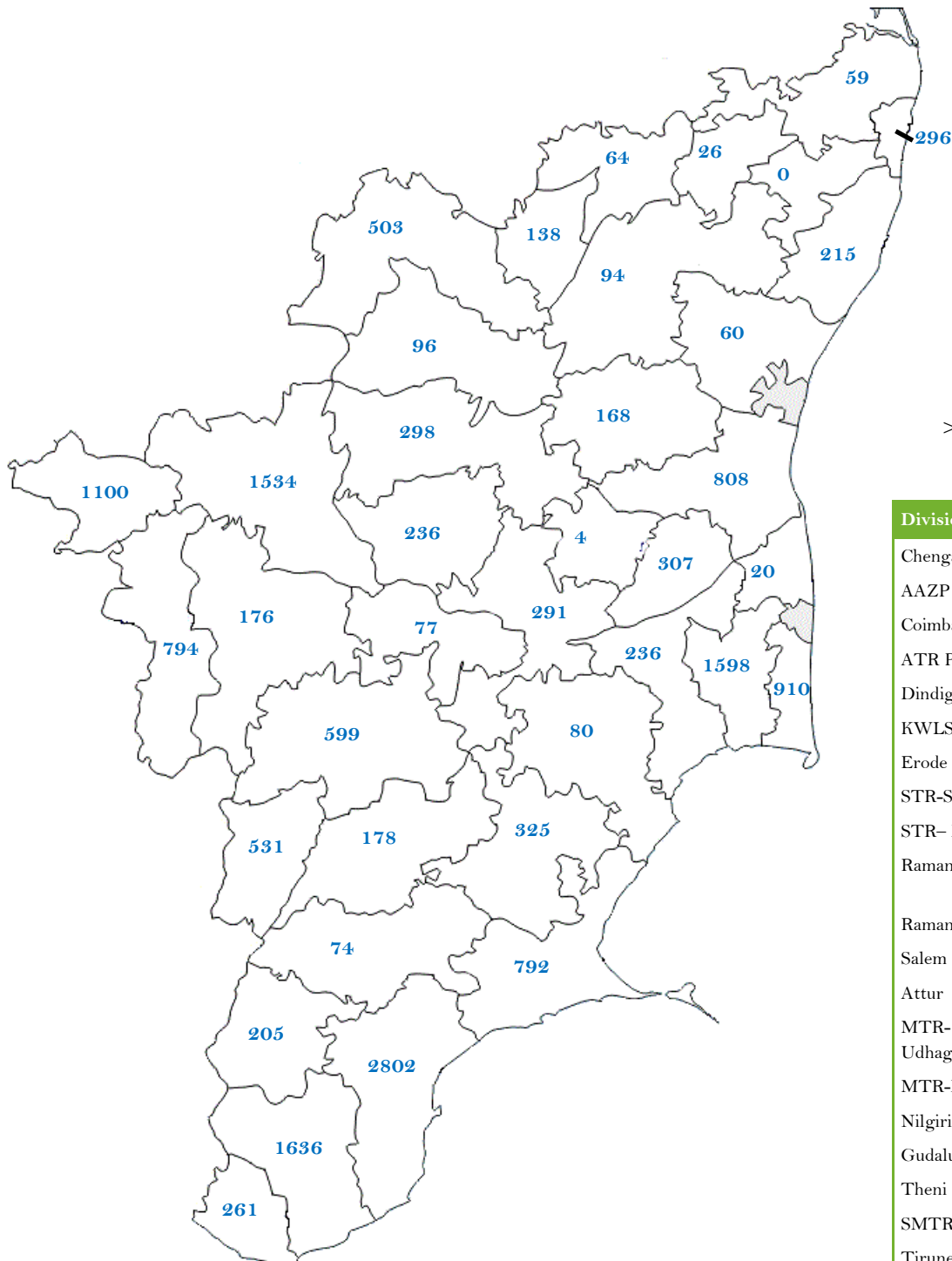
Division	Species
Chengalpattu	17
AAZP	12
Coimbatore	38
ATR Pollachi	35
Dindigul	24
KWLS	28
Erode	37
STR-Sathyamangalam	44
STR- Hassanur	34
Ramanathapuram WLD	40
Ramanathapuram TD	3
Salem	22
Attur	17
MTR-Udhagamandalam	25
MTR-Masinagudi	21
Nilgiris	21
Gudalur	22
Theni	15
SMTR- Meghamalai	27
Tirunelveli	29
KMTR-Ambasamuthiram	35
KMTR-Kalakkad	23

DISTRICT WISE MIGRANT BIRD DIRECT COUNTED



17670

Total Migrant Bird Count



> 1divisions per district
data- division wise

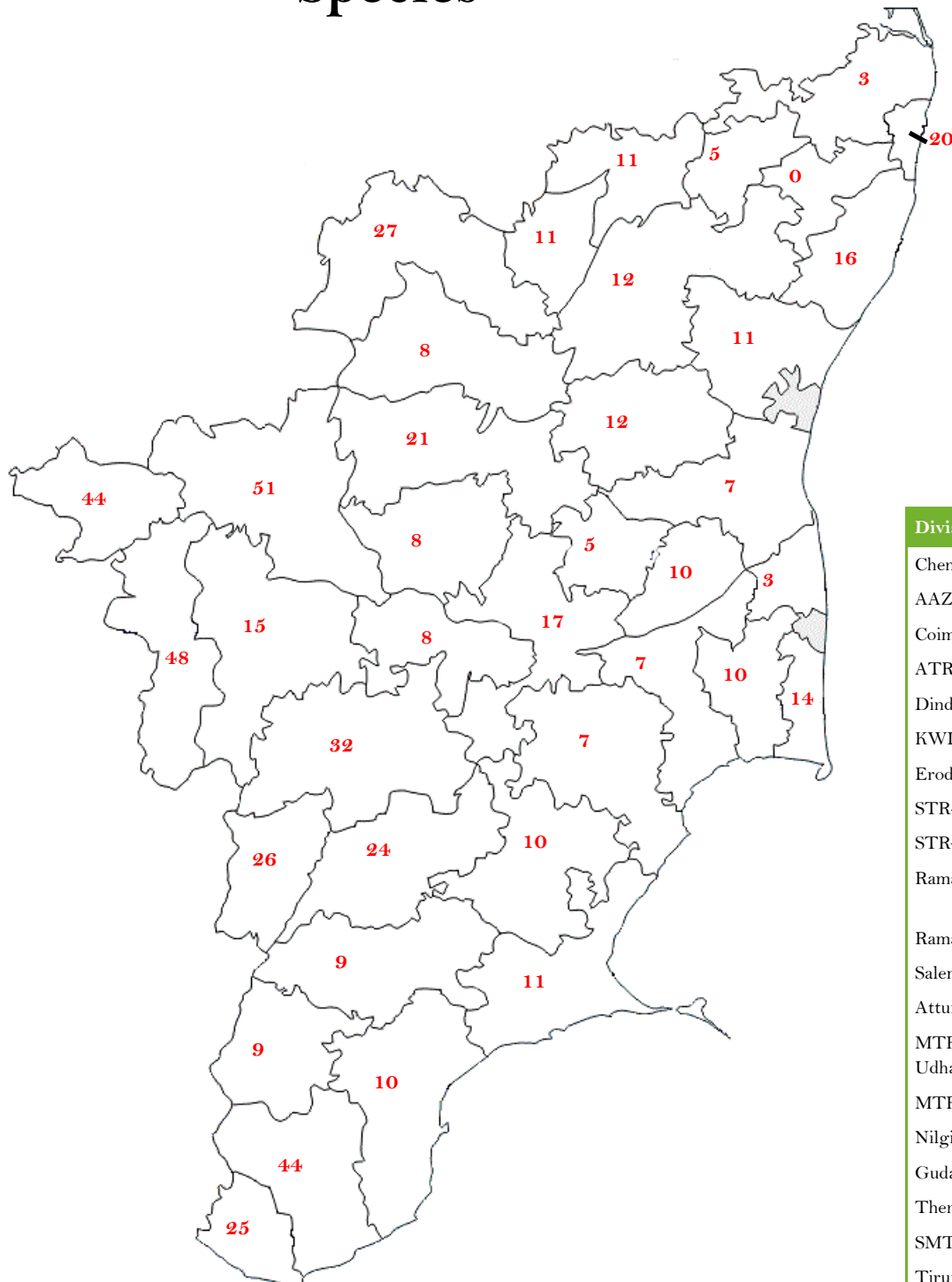
Division	Species
Chengalpattu	175
AAZP	40
Coimbatore	522
ATR Pollachi	272
Dindigul	286
KWLS	313
Erode	752
STR-Sathyamangalam	577
STR- Hassanur	205
Ramanathapuram WLD	744
Ramanathapuram TD	48
Salem	174
Attur	124
MTR- Udhagamandalam	232
MTR-Masinagudi	145
Nilgiris	413
Gudalur	310
Theni	95
SMTR- Meghamalai	436
Tirunelveli	790
KMTR- Ambasamuthiram	702
KMTR-Kalakkad	144

DISTRICT WISE TERRESTRIAL MIGRANT BIRD SPECIES RECORDED



75

Total Terrestrial Migrant Bird Species



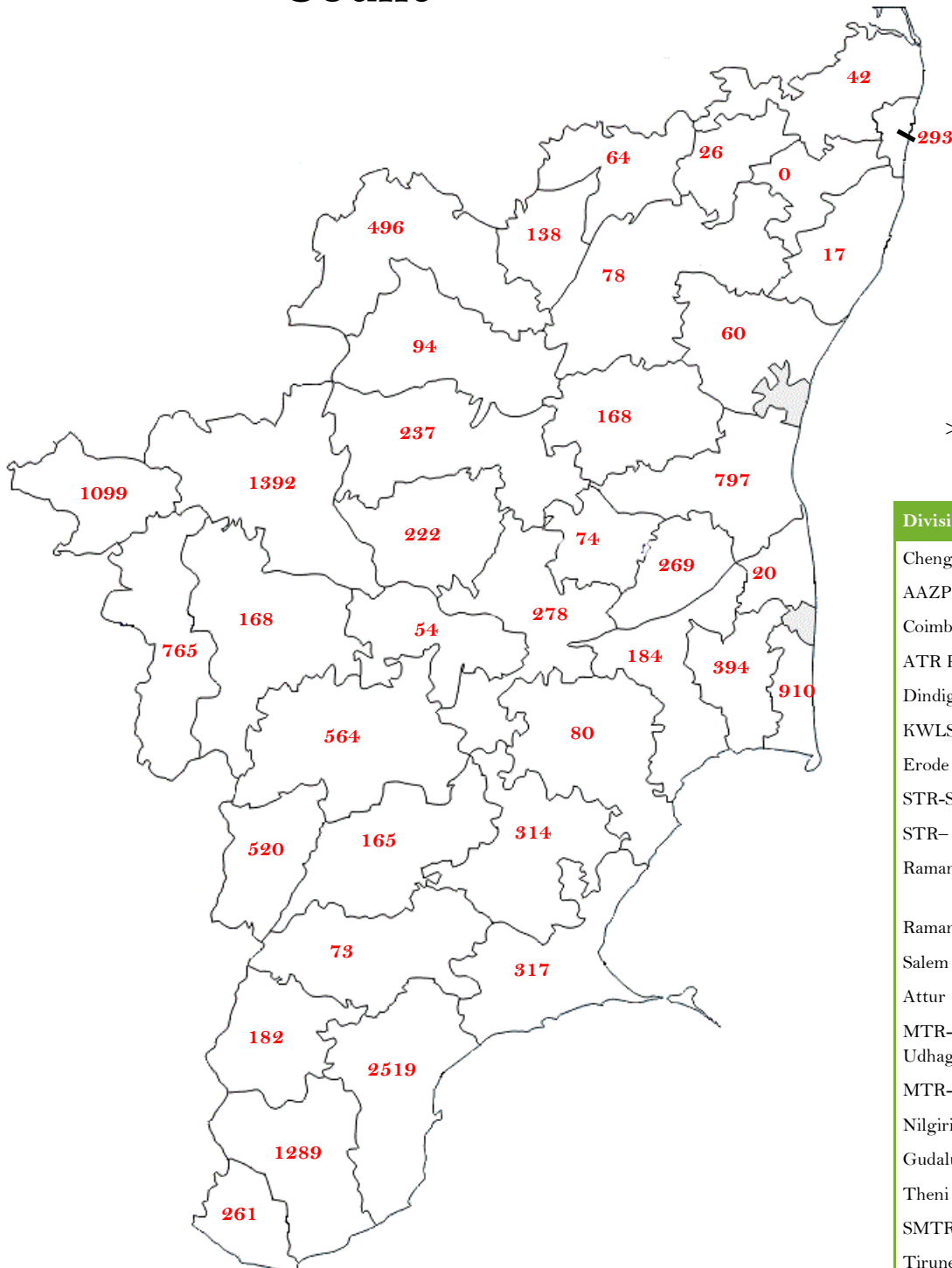
Division	Species
Chengalpattu	9
AAZP	11
Coimbatore	35
ATR Pollachi	31
Dindigul	18
KWLS	27
Erode	27
STR-Sathyamangalam	38
STR- Hassanur	34
Ramanathapuram WLD	11
Ramanathapuram TD	3
Salem	19
Attur	13
MTR-Udhagamandalam	24
MTR-Masinagudi	21
Nilgiris	21
Gudalur	22
Theni	14
SMTR- Meghamalai	25
Tirunelveli	22
KMTR-Ambasamuthiram	27
KMTR-Kalakkad	22

DISTRICT WISE TERRESTRIAL MIGRANT BIRD DIRECT COUNTED



14780

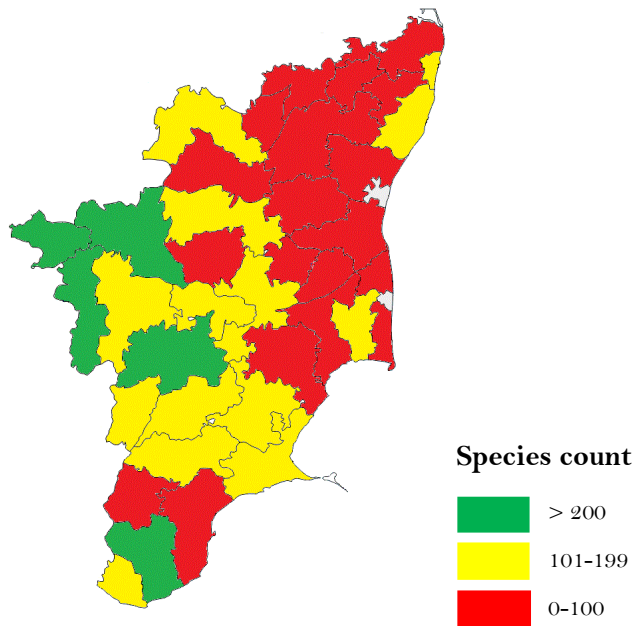
Total Terrestrial Migrant Bird Count



> 1divisions per district
data- division wise

Division	Species
Chengalpattu	135
AAZP	39
Coimbatore	515
ATR Pollachi	250
Dindigul	253
KWLS	311
Erode	627
STR-Sathyamangalam	560
STR- Hassanur	205
Ramanathapuram WLD	269
Ramanathapuram TD	48
Salem	171
Attur	66
MTR-Udhagamandalam	231
MTR-Masinagudi	145
Nilgiris	413
Gudalur	310
Theni	91
SMTR- Meghamalai	429
Tirunelveli	505
KMTR-Ambasamuthiram	642
KMTR-Kalakkad	142

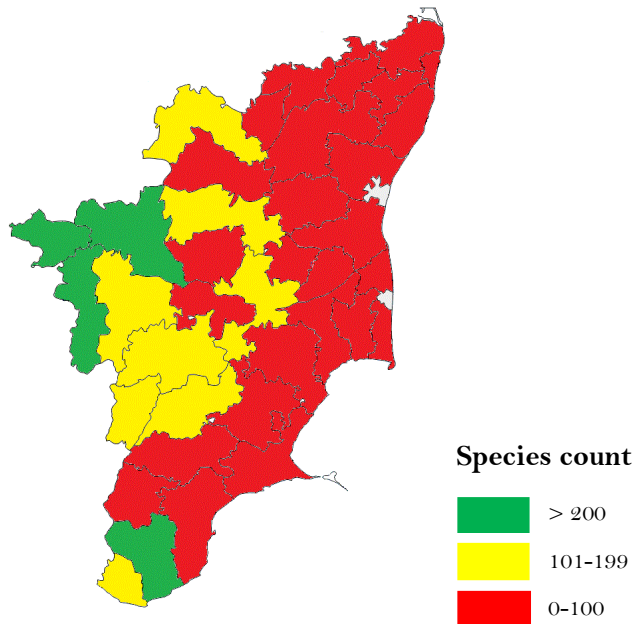
DISTRICT WISE DISTRIBUTION



NUMBER OF BIRDS SPECIES RECORDED

5

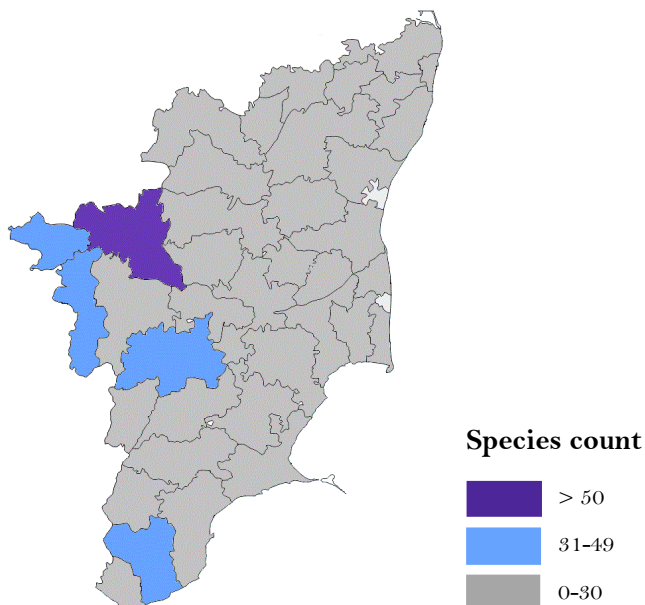
number of districts where bird species sighted is above the healthy mark of 200. Theni recorded 198.



NUMBER OF TERRESTRIAL BIRD SPECIES RECORDED

4

number of districts where land bird species sighted is above the healthy mark of 200. Dindigul and Theni recorded 187 and 179 respectively.

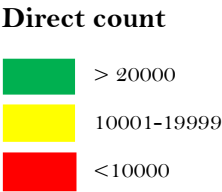
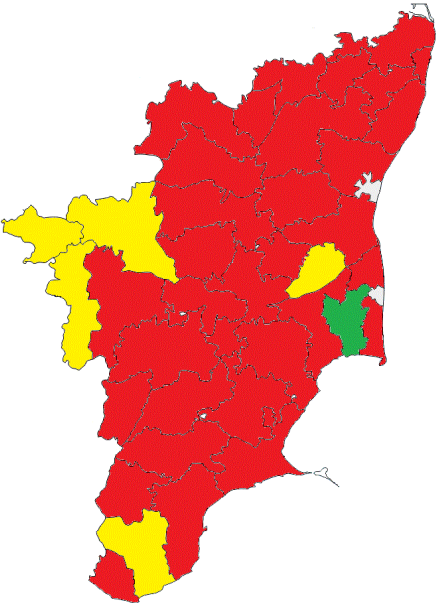


NUMBER OF TERRESTRIAL MIGRANT BIRDS SPECIES RECORDED

1

Erode is the only district to record more than 50 species. Other districts with good mountain cover has recorded healthy number of species.

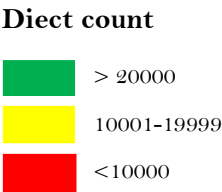
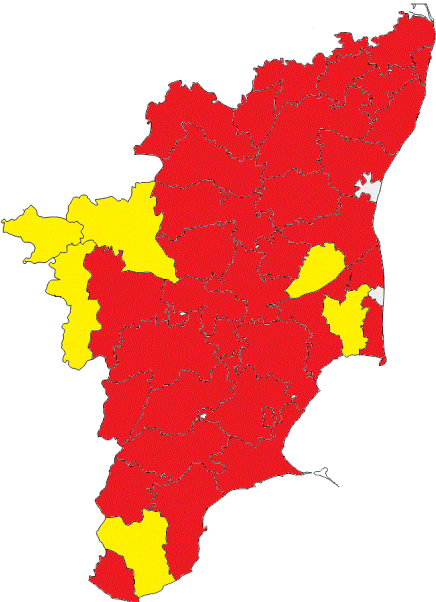
DISTRICT WISE DISTRIBUTION



NUMBER OF BIRDS DIRECT COUNTED

42%

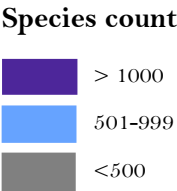
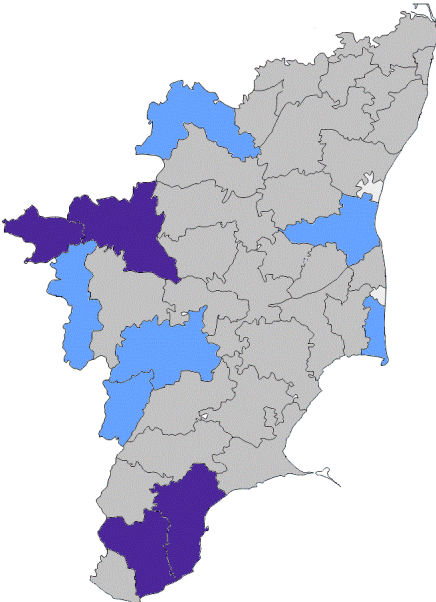
Total bird counts from 6 districts (western and coastal) contributed to 42% of total.



NUMBER OF TERRESTRIAL BIRDS DIRECT COUNTED

40%

Terrestrial bird counts (landbirds) from 6 districts (western and coastal) contributed to 40% of total.



NUMBER OF TERRESTRIAL MIGRANT BIRDS DIRECT COUNTED

59%

Migrant landbirds from 7 districts accounted for 59% of birds with select western and southern districts contributing to the maximum.



NOCTURNAL BIRDS OBSERVATION

The 2025 Synchronised Terrestrial Bird Estimate exercise documented the presence of nocturnal birds, including nightjars, thick-knees & lapwings, night herons, and owls, across various divisions.



image from pngtree.com

	Species Count	Direct Count (+heard)
Nightjars	4	444
Thick-knees & Lapwings	2	34
Night-Herons	1	11
Owls	10	340

17
species

Nightjars	Thick-knees & Lapwings	Owls	
Jungle Nightjar	Indian Thick-knee	Eastern Barn Owl	Mottled Wood-Owl
Jerdon's Nightjar	Red-wattled Lapwing	Indian Scops-Owl	Brown Wood-Owl
Indian Nightjar		Oriental Scops-Owl	Brown Boobook
Savanna Nightjar	Herons	Rock Eagle-Owl	
	Black-crowned Night-Heron	Brown Fish-Owl	
		Jungle Owlet	
		Spotted Owlet	



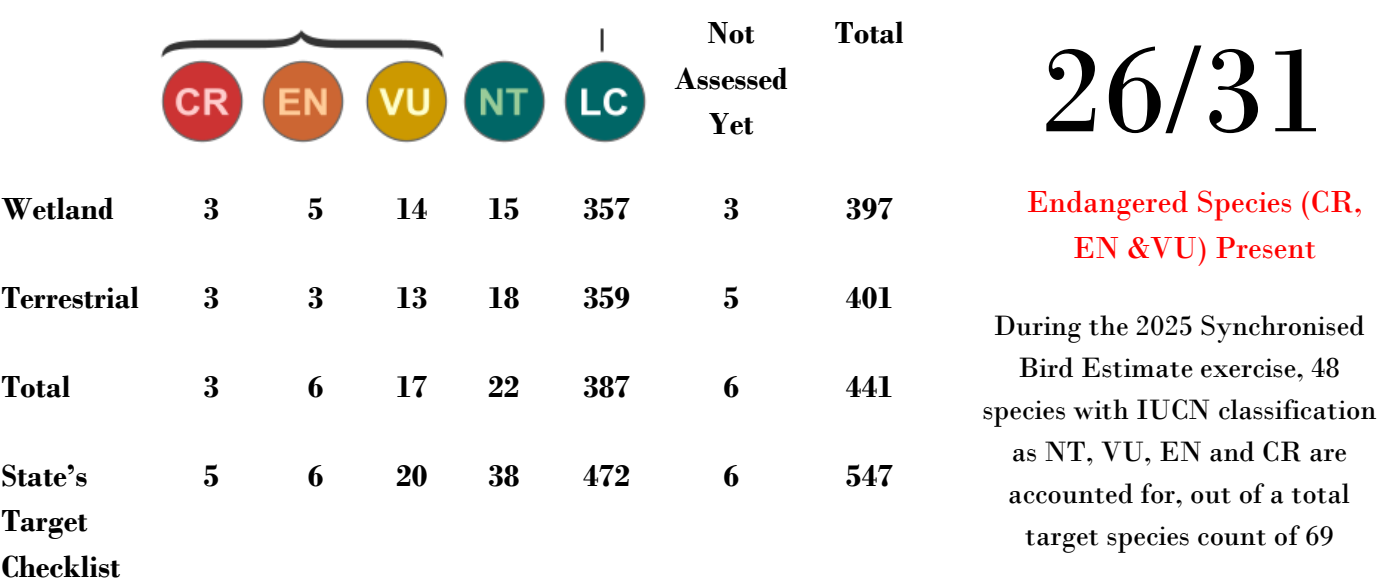


STATUS OF IUCN LISTED ENDANGERED SPECIES

The IUCN Red List is a critical indicator of the health of the world’s biodiversity. Far more than a list of species and their status, it is a powerful tool to inform and catalyse action for biodiversity conservation and policy change, critical to protecting the natural resources we need to survive.

The IUCN Red List is crucial not only for helping to identify those species in need of targeted recovery efforts, but also for focusing the conservation agenda by identifying the key sites and habitats that need to be protected. Ultimately, The IUCN Red List helps to guide and inform future conservation and funding priorities. (Source: IUCN)

During the 2025 Synchronised Bird Estimate exercise, 48 species with IUCN classification as NT, VU, EN and CR are accounted for, out of a total target species count of 69, combining both the phases of estimate



Critically Endangered	Vulnerable		Near Threatened		
Red-headed Vulture	Common Pochard	Tawny Eagle		Spot-billed Pelican	Nilgiri Laughingthrush
White-rumped Vulture	Nilgiri Wood-Pigeon	Great Hornbill	Green Imperial-Pigeon	Rufous-bellied Eagle	Palani Laughingthrush
Indian Vulture	Black-bellied Plover	Malabar Gray Hornbill	Great Thick-knee	Pallid Harrier	Nilgiri Sholakili
Endangered	Wood Snipe	Black-capped Kingfisher	Eurasian Oystercatcher	Lesser Fish-Eagle	White-bellied Sholakili
	Broad-billed Sandpiper	White-naped Tit	Eurasian Curlew	Gray-headed Fish-Eagle	
Tibetan Sand-Plover	Curlew Sandpiper	Ashambu Laughingthrush	Bar-tailed Godwit	Malabar Pied-Hornbill	
Great Knot	River Tern	Kashmir Flycatcher	Black-tailed Godwit	Laggar Falcon	
Indian Skimmer	Indian Spotted Eagle	Nilgiri Pipit	Ruddy Turnstone	Broad-tailed Grassbird	
Black-bellied Tern	Greater Spotted Eagle		Red-necked Stint	Gray-headed Bulbul	
Egyptian Vulture			Asian Woolly-necked Stork		
Steppe Eagle					

SELECT ESTIMATE SPOTS



Vangaram
Ariyalur Division



Acharapakkam RF
Chengalpattu Division



Otteri
AAZP



Anna Tower Park
Chennai Division



GNP
Chennai Wildlife Division



Bedathapuram
Coimbatore Division



Kolumbumalai
ATR Pollachi Division



Puthupettai
Cuddalore Division



Vathalamalai
Dharmapuri Division



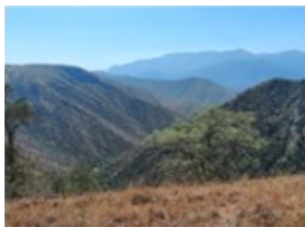
Alagarkoil Mulaiyur RF
Dindigul Division



Mannavanur
Kodaikanal WLS



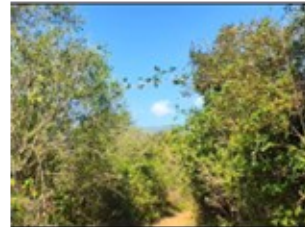
Vellode BS
Erode Division



Ebblam
STR Sathy Division



Doddakularai betta
STR Hassanur Division



Rangappanur
Kallakurichi Dt.



Puthuper RF
Kanchipuram Division



Muppandhal
Kanyakumari WLS



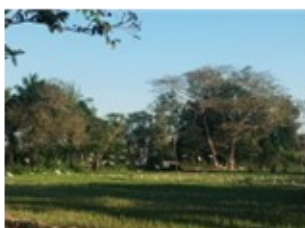
Vaalarumbu
Karur Division



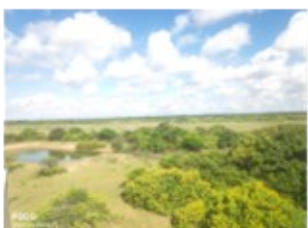
Thally
Hosur Division



Sathiyar Dam
Madurai Division



Kunnam Sirkazhi
Mayiladuthurai Dt



Chola Light House WT
Nagapattinam Division



Nadukombai Beat
Namakkal Division



Thenparai
MTR Udhaigai Division



Konamasi
MTR Masinagudi Div.



Geddai NFD
Nilgiris Division



Chellakollai
Gudalur Division



Mayiloothu Falls
Perambalur Division



Theerthangal BS
Ramanathapuram WLD



Pamban
Ramanathapuram TD



Lokur RF
Salem Division



Nagalur
Attur Division



Kandanur Vagai K Koil
Sivagangai Division



Thalayanai
Tenkasi Dt.



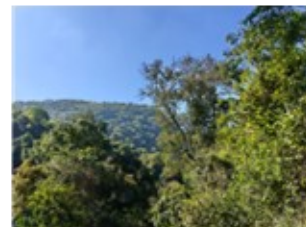
Sothuparai
Theni Division



Megamalai Cumbum R.
SMTR Meghamalai Div.



Vengal
Tiruvallur Division



Kannimar Shola
Tiruchirappalli Division



Gangaikondan
Tirunelveli Division



Kadayam RF
KMTR Ambas Division



Kodayar Winch Point
KMTR Kalakad Division



ATR Tiruppur Division



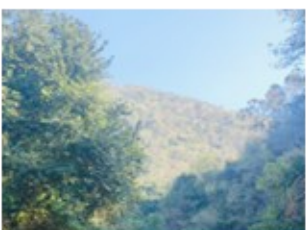
Poosimalai Kuppam
Tiruvannamalai Division



Manjavayal
Thiruvallur Division



Kayamozhi
Tuticorin Division



Amirthi
Vellore Division



Kurumbaram RF
Villupuram Division



Pilavakal Valley
SMTR Srivilliputhur Div.

TEAMS IN THE FIELD





ESTIMATE METHODOLOGY

Tamil Nadu Synchronised Bird Estimate for the season 2023-24 (post monsoon) was decided to be conducted in two phases

Phase 1: Wetland birds (both inland and coastal wetlands)

Phase 2: Terrestrial birds (both inside and outside PAs)

Wetland bird Estimate was planned to be held on 8th and 9th of March 2025 (as it is the peak season for water birds across coastal region) . Training and preparation was planned to be held on 8th March 2025.

It was decided to select a min of 20 wetlands per division for the phase 1 of the Estimate and the selection criteria suggested is as follows:

Criteria for selection of sites for the long term monitoring of birds in the State of Tamil Nadu

If any areas fulfil either one or more than one following criteria, then that area may be selected for the long-term monitoring of birds of the concerned district. About 10- 20 sites may be chosen for wetland birds and about 20 sites may be chosen for terrestrial birds per district. All transects need to be marked with proper GPS Coordinates.

Water Birds

All Ramsar sites, Wetland Bird Sanctuary/Conservation/Community Reserves of the District

A wetland reported with minimum 30 species of water birds including migratory per year

A wetland reported with minimum 1000 (individuals/day) of water birds including migratory.

Terrestrial bird Estimate was planned to be held on 15th and 16th of March 2025. Training was planned to be held on a week before.

Terrestrial Birds (including urban areas but outside Protected Areas)

A hotspot that was known for occurrences of more than 100 species of land birds/year and potential to sight minimum 40 species of birds per day. Approximate radius of the location could be around 2 km with considerable vegetation cover (forested areas).

A hotspot of birds that is expected for the occurrences of minimum 2000 individuals of birds within radius of 2 km, with partially or fully covered with vegetation (rural areas).

A hotspot that is expected for the occurrences of minimum 1000 individuals of birds within radius of 2 km without or partially covered with vegetation (urban areas).

Note: Minimum 3 transects in urban, 5 transects in rural areas and 17 transects other areas (forested) need to be laid in each division.

Terrestrial Birds (Protected Areas)

All National Parks, Sanctuaries, Conservation and Community reserves (1 transect if PA is < 5 sq.km, 2 transects if PA is 5.1 sq.km to 20 sq.km, 1 transect per 20 sq.km if the area of PA is more than 20 sq.km but maximum of 10 transects per PA). One transect is approximately 2 km long line transect/trial with 10 segments, each segment is 200 m). Preference may be given to well-known bird hotspots inside the PA for the transects as the objective of this surveys to understand the long-term changes in the relative abundances birds.

Tool Kit containing the Protocol for Bird Count including the questionnaire and Data Sheets was shared with all concerned in advance.

For terrestrial bird estimate, all divisions have been advised to undertake a birding session during 8th night to record presence of nocturnal bird activities. The results were collected using google spreadsheet.

TAMIL NADU SYNCHRONISED BIRD ESTIMATE 2025**TAMIL NADU FOREST DEPARTMENT****PHASE 2: TERRESTRIAL BIRDS ESTIMATE****15-16 MAR 2025****ESTIMATE DATA BOOK**

District Name	
Division Name	
Terrestrial Birding Spot Name	
Terrestrial Birding Spot Code	
Wildlife Protected Area / IBA/ Others	
District Bird Count Coordinator Name	

Birding Spot Information

Terrestrial Birding Spot Code		Terrestrial Birding Spot Name	
Range (if birding spot is within PA/RF/PF)		Beat (if birding spot is within PA/PF/RF)	
Date		Weather* (Sunny, Cloudy, Rainy, Windy)	
Co-ordinates: Lat.- Long.-		Observation: Start time End time	
Mode of Observation (Foot-F, Vehicle-V, Boat-B)		Distance covered (In km)	
Team:		Team No	
Observers Name	Organisation	Mobile No	Email
1.			
2.			
3.			
4.			
5.			
6.			

Summary

Total Number of Bird species counted		Total Number of Migratory Bird species counted	
Total Number of Bird Counted		Total Number of Migratory Bird Counted	

1. Route description of observation area

From:

To:

Approximate coverage area (in square km)

2. Forest/ Habitat Type:

(Shola, montane grassland, evergreen forest, moist deciduous forest, mixed deciduous forest, dry deciduous forest, scrub forest, plantation, rocky hills, grassland, dry grassland, rural, urban (human habitation), urban park, urban reserves, agricultural, etc)

3. Ownership of Terrestrial site: (who owns/ controls the site?)

4. Habitat description (in detail):

(Dominant vegetation, presence of waterbodies including streams, rivers, dams, tanks, lakes)

5. Degree of habitat destruction & details within protected area:

(Please mention pristine, low, medium, high, very high, and describe destruction details observed)

Low/ Medium/ High / very High:

Degradation Details:

6. Degree of habitat destruction & details outside protected area:

(Please mention low, medium, high, very high, and describe destruction details observed)

Low/ Medium/ High / very High:

Degradation Details:

7. Incidences of Animal / Bird poaching (during count or recent past):

8. Cattle grazing observed within Protected Area (Yes/ No)?

9. Are birds threatened by feral dogs / cats?

10. Presence and degree of plant Invasive alien species (*Lantana*, *Eupatorium*, etc):

Yes or No

Invasive species:

11. Major threats observed

(Pollution by domestic sewage, Pollution by solid waste, Pollution by industrial waste, Pollution by oil, Pollution by pesticides, Pollution by fertilizers, other pollution, Mining (sand, soil, rock), Excessive tourism/recreation (large number of tourists, disturbing birds, leaving garbage, playing loud music, etc), unauthorised structures / human presence in protected area (other than approved structures /local inhabitants, encroachment, forest fire)

12. What are the immediate needs, in your opinion, towards protecting /improving the condition of the spot under survey and also list conservation priorities :

13. Feedback from local stakeholders (if any):

14. Other important sightings / observations

(Mammals/ Rare plants & Trees / Insects etc.,)

Sl. No	Type	Name	Notes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Nocturnal Birds Observation

Note:

The route and location are same as daytime survey route

Safety should be weighed before undertaking the observation especially within protected area

Only Night-Herons, Nightjars, Sri Lankan Frogmouth, Thick-knees, and Owls should be recorded in this exercise.

Date		Time: From		To	
Route Description					
Observers					

S. No	Bird Species	Heard/ Seen	Direct Count
1			
2			
...			
n			

Breeding and Roosting

Note:

Information on detailed breeding and roosting can be provided here, either through direct observation or from historic/ recent observations.

S. No	Exact spot Location	Distance from survey spot*	Breeding/ Roosting	Detailed Observation (no of species, major species, species count, etc)

End

