

Checklist of the Birds of Christmas Island and Cocos (Keeling) Islands

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This checklist covers Christmas and Cocos (Keeling) Islands in the tropical eastern Indian Ocean and their surrounding seas. Christmas Island lies 290 km south of Java (Indonesia) and 1,400 km north-west of Western Australia. It is a small uplifted volcanic island (137 km² in area) and is administered by Western Australia as an External Territory of Australia. The Cocos (Keeling) Islands lie 970 km west of Christmas Island and 2,100 km north-west of Western Australia. They comprise two low-lying atolls, a large southern atoll (Cocos) consisting of about 26 islands around a horseshoe-shaped lagoon and a smaller North Keeling Island lying 25 km to the north. They cover a land area of about 14 km² and are also administered by Western Australia as an External Territory of Australia.

The main aim of this work is to provide an up-to-date checklist of the birds of this region to include the large number of additional species that have been recorded on these islands since the publication of the Annotated Checklists of Christmas Island and Cocos (Keeling) Islands in 2004 (Johnstone and Darnell Appendix A and B in: *Handbook of Western Australian Birds* Volume II) and the more recent review of the birds of Christmas Island (James and McAllan 2014 *Australian Field Ornithology* Suppl. 31). The cut off date for records in this checklist is March 2017.

Criterion for inclusion of a species or subspecies on the list is, in most cases, supported by tangible evidence i.e. a museum specimen, an archived or published photograph or detailed description or video recording.

The advent of molecular investigation into avian taxonomy has required, and still requires, extensive and ongoing revision at all levels – family, generic and specific. This “Checklist of the Birds of Christmas and Cocos (Keeling) Islands” is a collation of the most recent information/research emanating from such studies, together with the inclusion of newly recorded species.

As a result of the constant stream of publication of new research in many scientific journals, delays of its incorporation into the prime sources listed above, together with the fact that these are upgraded/re-issued at differing intervals and that their authors may hold varying opinions, these prime references, do on occasion differ. Where considered appropriate, these latest research findings have been included as has some pre-published material in order to make this checklist as up to date as possible.

From these comments it can be seen that avian taxonomy is a “work in progress” and that it is currently a long way from having a definitive world list. Overall, departures from the prime reference material in both global and regional lists (as above) have been minimised. Subject to the general consensus/opinion of other authors, the IOC comments have been accepted relating to the higher taxonomic levels and taxonomic status beyond Australia, but not where the Western Australian Museum collection material, distributional data base etc. shows otherwise.

Changes should only come when there is certainty and consensus and the Western Australian Museum’s objective is to maintain the status quo until claimed revisions have been thoroughly analysed and accepted.

Amendments to the previous checklists have been carried out with reference to both global and regional publications/checklists. The prime reference material for global coverage has been the International Ornithological Committee (IOC) World Bird List, *The Clements Checklist of Birds of the World*, the *Illustrated Checklist of the Birds of the World* Volume, 1 (Lynx Edicions, Barcelona), *A Checklist of the Birds of Britain*, 8th edition, the *Checklist of North American Birds* and, for regional coverage, *Zoological Catalogue of Australia* volume 37.2 (Columbidae to Coraciidae), *The Directory of Australian Birds*, Passerines, the Working List of Australian Birds (Birdlife Australia) and the Checklist of the Birds of Western Australia (Western Australian Museum).

Increased public interest in ornithology combined with improved identification knowledge, the increasing number of “bird watchers” having high-technology photographic equipment, and more extensive field excursions (to these remote islands) all have contributed here. Whether all of these newly recorded species are in fact migratory “strays” which have been missed earlier, or whether other factors such as habitat destruction (along migratory routes) or climatic change is involved is of course unknown.

In the table below, the ecological status for each species is given i.e. whether a resident or a breeding or non-breeding visitor, endemic, introduced, whether the species is migratory, or a passage migrant (i.e. Palearctic species that breed in Northern Hemisphere and migrate annually to winter in Southern Hemisphere, especially Australia), or vagrant. For some vagrants and rare visitors, records are individually cited. A comment is also given for each species on its relative abundance i.e. is it very common, common, moderately common, uncommon, scarce or rare. The status of some species has changed dramatically in the past decade. For example, the White-breasted Waterhen was first recorded on Christmas Island in 1993, bred successfully, but the population then declined and is now an uncommon resident. It was first recorded on Cocos (Keeling) Islands in 2004 (probably from Christmas Island), and is now a common resident with a population of ca. 2,000. Abbreviations for the Abundance/Status comments are outlined in the table below. The aim of this checklist is to summarise all available data on systematics and taxonomy, provide brief explanations for changes, incorporate new higher level classifications and recent new generic, specific and subspecific changes. Where necessary, reasons for departing from the current above-named checklists (IOC, Birds Australia etc.) are also given. Where there is doubt on the identification of a subspecies it is included in square brackets. A brief footnote is also given on the taxonomic status of many species and subspecies recorded from these islands based on specimens or photographs, but in many cases the subspecific identity of many visitors is unknown.

As expected most migrants are of eastern Asian origin, but there has proven to be an element of records of species e.g. European Roller and Tree Pipit which are unknown from South-East Asia.

Over the past decade the regular bird reports of both resident and visiting naturalists to these islands have added a great deal to our knowledge of the avifauna. Special mention should be made of the trip reports of Richard Baxter and Mike Carter and the monthly reports from Cocos (Keeling) by Geof Christie and Pam Jones.

We especially thank Kim Sarti for the development and layout of this checklist document.

Abundance/Status	Code
Common breeding visitor	Bc
Rare breeding visitor	Bv
Uncommon breeding visitor	Bv
Endemic. Common resident	ERc
Introduced. Common resident	Ic
Introduced. Uncommon resident	Iu
Common passage migrant	PMc
Moderately common passage migrant	PMm
Rare passage migrant	PMr
Uncommon passage migrant	PMu
Common resident	Rc
Rare resident	Rr
Uncommon resident	Ru
Vagrant	V
Irregular visitor	Vi
Regular visitor	Vis
Rare/irregular visitor	Vr
Uncommon visitor	Vu
Extirpated	X
Status indeterminate	?
∅ Absent, no records	∅

Abundance and Status comments with abbreviated Code

Class AVES

Order ANSERIFORMES

Family ANATIDAE Ducks, geese and swans

¹ <i>Nettapus coromandelianus</i> (Gmelin, 1789).....	Cotton Pygmy Goose	Ø	V
<i>Anas superciliosa</i> Gmelin, 1789.....	Pacific Black Duck		
² <i>Anas superciliosa superciliosa</i> Gmelin, 1789.....		Ø	Bv
<i>Anas gibberifrons</i> Müller, 1842.....	Sunda Teal	V	Ø
<i>Anas gracilis</i> Buller, 1869.....	Grey Teal	Ø	V
³ <i>Anas acuta</i> Linnaeus, 1758.....	Northern Pintail	Ø	V
<i>Anas querquedula</i> Linnaeus, 1758.....	Garganey	V	Ø
<i>Anas crecca</i> Linnaeus, 1758.....	Eurasian Teal		
<i>Anas crecca crecca</i> Linnaeus, 1758.....		Ø	V
<i>Aythya australis</i> (Eyton, 1838).....	Hardhead		
<i>Aythya australis australis</i> (Eyton, 1838).....		V	V

Order GALLIFORMES

Family NUMIDIDAE Guineafowl

⁴ <i>Numida meleagris</i> (Linnaeus, 1758).....	Helmeted Guineafowl	Ø	X
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Family PHASIANIDAE Pheasants

⁵ <i>Gallus gallus</i> (Linnaeus, 1758).....	Red Junglefowl	Iu	Iu
<i>Gallus varius</i> (Shaw, 1798).....	Green Junglefowl	Ø	Ic

Order PROCELLARIIFORMES

Family OCEANITIDAE Austral Storm Petrels

⁶ <i>Pelagodroma marina</i> (Latham, 1790).....	White-faced Storm Petrel	V	V
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Family DIOMEDEIDAE Albatrosses

<i>Thalassarche chlororhynchos</i> Gmelin, 1789.....	Yellow-nosed Albatross		
⁷ <i>Thalassarche chlororhynchos carteri</i> (Rothschild, 1903).....	Indian Yellow-nosed Albatross	Ø	V

Family HYDROBATIDAE Storm Petrels

⁸ <i>Oceanodroma matsudariae</i> Kuroda, 1922.....	Matsudaira's Storm Petrel	V	V
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Family PROCELLARIIDAE Petrels and shearwaters

⁹ <i>Macronectes halli</i> Mathews, 1912.....	Northern Giant Petrel	Ø	V
<i>Pachyptila desolata</i> (Gmelin, 1789).....	Antarctic Prion	V	Ø
<i>Pterodroma heraldica</i> (Salvin, 1888).....	Herald Petrel	V	V
<i>Pterodroma baraui</i> (Jouanin, 1964).....	Barau's Petrel	V	V
<i>Puffinus pacificus</i> (Gmelin, 1789).....	Wedge-tailed Shearwater	Vr	Bv
¹⁰ <i>Puffinus bailloni</i> Bonaparte, 1857.....	Tropical Shearwater	Ø	V
<i>Bulweria bulwerii</i> (Jardine and Selby, 1828).....	Bulwer's Petrel	V	V
<i>Bulweria fallax</i> Jouanin, 1955.....	Jouanin's Petrel	Ø	V

¹ Subspecies unknown, most likely the nominate.

² Small breeding population now established.

³ Two birds recorded 2016-17.

⁴ Domestic strain introduced to Cocos (Keeling) Is., but now extirpated.

⁵ Domestic strains on both islands. On Christmas I., wild populations show characteristics of ancestral Red Junglefowl stock.

⁶ No specimens available, but ssp. probably *dulciae*. Sometimes placed in the genus *Oceanites*.

⁷ Sometimes treated as a full species.

⁸ Mostly listed as *O. matsudairae*, but Kuroda latinised Y. Matsudaira's Japanese name as *matsudariae* and this has not been validly amended.

⁹ One confirmed record.

¹⁰ North Keeling I. 2009. Recorded on ground at night; ssp. unknown.

Order PHOENICOPTERIFORMES

Family PHOENICOPTERIDAE Flamingos

<i>Phoenicopterus roseus</i> Pallas, 1811	Greater Flamingo	Ø	V
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Order PHAETHONTIFORMES

Family PHAETHONTIDAE Tropicbirds

¹¹ <i>Phaethon aethereus</i> Linnaeus, 1758	Red-billed Tropicbird	V	Ø
¹² <i>Phaethon rubricauda</i> Boddaert, 1783	Red-tailed Tropicbird	Rc	Bv
¹³ <i>Phaethon lepturus</i> Daudin, 1802	White-tailed Tropicbird		
¹⁴ <i>Phaethon lepturus lepturus</i> Daudin, 1802		Rc	Bv
¹⁵ <i>Phaethon lepturus fulvus</i> von Brandt, 1838	Golden Bosunbird	ERc	Vi

Order PELECANIFORMES

Family THRESKIORNITHIDAE Ibises and spoonbills

<i>Plegadis falcinellus</i> (Linnaeus, 1766)	Glossy Ibis	V	V
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ARDEIDAE Herons and bitterns

<i>Ixobrychus sinensis</i> (Gmelin, 1789)	Yellow Bittern (Chinese Little Bittern)	V	V
<i>Ixobrychus eurhythmus</i> (Swinhoe, 1873)	Schrenck's Bittern (Von Schrenck's Bittern)	V	V
<i>Ixobrychus cinnamomeus</i> (Gmelin, 1789)	Cinnamon Bittern	V	V
¹⁶ <i>Ixobrychus flavicollis</i> (Latham, 1790)	Black Bittern	V	V
<i>Gorsachius goisagi</i> (Temminck, 1836)	Japanese Night Heron	V	Ø
<i>Gorsachius melanolophus</i> (Raffles, 1822)	Malayan Night Heron	Vis	V
<i>Nycticorax nycticorax</i> (Linnaeus, 1758)	Black-crowned Night Heron		
<i>Nycticorax nycticorax nycticorax</i> (Linnaeus, 1758)		V	V
<i>Nycticorax caledonicus</i> (Gmelin, 1789)	Nankeen Night Heron (Rufous Night Heron)		
¹⁷ <i>Nycticorax caledonicus australasiae</i> (Vieillot, 1823)		Vi	Rc
<i>Butorides striata</i> (Linnaeus, 1758)	Striated Heron (Mangrove Heron)		
¹⁸ <i>Butorides striata amurensis</i> (Schrenck, 1860)		Vr	Vu
<i>Ardeola bacchus</i> (Bonaparte, 1855)	Chinese Pond Heron	V	V
¹⁹ <i>Ardeola speciosa</i> (Horsfield, 1821)	Javan Pond Heron	V	V
²⁰ <i>Ardea ibis</i> Linnaeus, 1758	Cattle Egret		
²¹ <i>Ardea ibis coromanda</i> (Boddaert, 1783)	Eastern Cattle Egret	Vi	Vi
²² <i>Ardea purpurea</i> Linnaeus, 1766	Purple Heron	V	Ø
²³ <i>Ardea modesta</i> J.E. Gray, 1831	Eastern Great Egret	Vr	Vr
²⁴ <i>Ardea intermedia</i> Wagler, 1829	Intermediate Egret	V	V
²⁵ <i>Ardea picata</i> Gould, 1845	Pied Heron	V	V
²⁶ <i>Ardea novaehollandiae</i> Latham, 1790	White-faced Heron	Rr	V

¹¹ Most likely ssp. *indicus* judging from photographs.

¹² Treated as monotypic with no subspecies recognised.

¹³ Christmas Island *P. l. fulvus* (an endemic ssp.) recently re-invaded by nominate *P. l. lepturus* birds. Christmas Island now comprises *P. l. fulvus*, *P. l. lepturus* and hybrid populations.

¹⁴ Common resident on Christmas I. interbreeding with *P. l. fulvus* - see above footnote.

¹⁵ Common resident on Christmas I. interbreeding with *P. l. lepturus* - see above footnote.

¹⁶ Most likely the nominate ssp. Sometimes placed in the genus *Dupetor*.

¹⁷ Arrival on Cocos Islands 2006. Population status in 2016 ca. 700 birds. Formerly *N. c. hilli*.

¹⁸ One specimen of *B. s. amurensis* in ZRC confirmed. Some observations could refer to other Asian ssp.

¹⁹ Subspecies unknown.

²⁰ Sometimes placed in the genus *Bubulcus*.

²¹ Sometimes treated as a full species.

²² Most likely ssp. *manilensis*.

²³ Sometimes treated as a ssp. of *A. alba*.

²⁴ Most likely nominate ssp. Sometimes placed in the genus *Egretta*.

²⁵ Sometimes placed in the genus *Egretta*.

²⁶ Sometimes placed in the genus *Egretta*.

²⁷ <i>Ardea garzetta</i> Linnaeus, 1766.....	Little Egret		
<i>Ardea garzetta garzetta</i> Linnaeus, 1766.....		V	V
²⁸ <i>Ardea garzetta nigripes</i> Temminck, 1840		V	V
²⁹ <i>Ardea gularis</i> Bosc, 1792.....	Western Reef Heron		
<i>Ardea gularis schistacea</i> Hemprich & Ehrenberg, 1828		Ø	Ru
³⁰ <i>Ardea sacra</i> Gmelin, 1789.....	Eastern Reef Heron (Eastern Reef Egret)		
<i>Ardea sacra sacra</i> Gmelin, 1789		Rc	Rc
Family PELECANIDAE Pelicans			
<i>Pelecanus conspicillatus</i> Temminck, 1824	Australian Pelican	V	Ø

Order SULIFORMES

Family FREGATIDAE Frigatebirds			
<i>Fregata andrewsi</i> Mathews, 1914	Christmas Island Frigatebird	ERc	V
<i>Fregata minor</i> (Gmelin, 1789).....	Greater Frigatebird (Great Frigatebird)		
³¹ <i>Fregata minor minor</i> (Gmelin, 1789).....		Ø	Rc
³² <i>Fregata minor listeri</i> Mathews, 1914.....		Rc	Ø
<i>Fregata ariel</i> (G.R. Gray, 1845).....	Lesser Frigatebird		
<i>Fregata ariel ariel</i> (G.R. Gray, 1845)		Ru	Rc

Family SULIDAE Gannets and boobies

<i>Papasula abbotti</i> (Ridgway, 1893)	Abbott's Booby	ERc	Ø
<i>Sula dactylatra</i> Lesson, 1831	Masked Booby		
<i>Sula dactylatra personata</i> Gould, 1846		Ø	Ru
³³ <i>Sula sula</i> (Linnaeus, 1766).....	Red-footed Booby	Rc	Rc
<i>Sula leucogaster</i> (Boddaert, 1783).....	Brown Booby		
<i>Sula leucogaster plotus</i> (J.R. Forster, 1844)		Rc	Ru

Family PHALACROCORACIDAE Cormorants

³⁴ <i>Phalacrocorax melanoleucos</i> (Vieillot, 1817)	Little Pied Cormorant		
<i>Phalacrocorax melanoleucos melanoleucos</i> (Vieillot, 1817).....		V	V
<i>Phalacrocorax sulcirostris</i> (Brandt, 1837).....	Little Black Cormorant	V	V
³⁵ <i>Phalacrocorax carbo</i> (Linnaeus, 1758).....	Great Cormorant	V	V

Order ACCIPITRIFORMES

Family PANDIONIDAE Ospreys

<i>Pandion haliaetus</i> (Linnaeus, 1758)	Western Osprey		
<i>Pandion haliaetus haliaetus</i> (Linnaeus, 1758).....		Ø	V

Family ACCIPITRIDAE Hawks, eagles, kites and harriers

<i>Pernis ptilorhyncus</i> (Temminck, 1821).....	Crested Honey-Buzzard		
<i>Pernis ptilorhyncus orientalis</i> Taczanowski, 1891.....	Oriental Honey-Buzzard	V	Ø
<i>Accipiter soloensis</i> (Horsfield, 1821).....	Chinese Sparrowhawk	V	V
³⁶ <i>Accipiter natalis</i> (Lister, 1889)	Christmas Island Goshawk	ERc	Ø
³⁷ <i>Accipiter gularis</i> (Temminck & Schlegel, 1844).....	Japanese Sparrowhawk	V	V
³⁸ <i>Circus approximans</i> Peale, 1848.....	Swamp Harrier	Ø	V
<i>Haliaeetus leucogaster</i> (Gmelin, 1788)	White-bellied Sea-Eagle	V	Ø

²⁷ Sometimes placed in the genus *Egretta*.

²⁸ Some observations may be attributed to *A. g. immaculata*.

²⁹ Sometimes placed in the genus *Egretta*.

³⁰ Sometimes placed in the genus *Egretta*.

³¹ Possible overlap of both populations at sea.

³² Possible overlap of both populations at sea.

³³ Validity of ssp. often questioned. If accepted, ssp. *rubripes* would apply to these two populations.

³⁴ Sometimes placed in the genus *Microcarbo*.

³⁵ Most likely ssp. *novaehollandiae*.

³⁶ Treated as full species by Johnstone and Darnell 2004, but sometimes treated as ssp. of *A. fasciatus*.

³⁷ Subspecies unknown.

³⁸ One specimen in Raffles Museum (ZRC) confirmed.

Order GRUIFORMES

Family RALLIDAE Rails, crakes, waterhens and coots

<i>Gallirallus philippensis</i> (Linnaeus, 1766).....	Buff-banded Rail		
³⁹ <i>Gallirallus philippensis andrewsi</i> (Mathews, 1911).....	Andrew's Rail	Ø	Rc
⁴⁰ <i>Lewinia striata</i> (Linnaeus, 1766).....	Slaty-breasted Rail	Ø	V
<i>Crex crex</i> (Linnaeus, 1758).....	Corncrake (Corn Crake)	V	V
<i>Amaurornis phoenicurus</i> (Pennant, 1769).....	White-breasted Waterhen		
⁴¹ <i>Amaurornis phoenicurus phoenicurus</i> (Pennant, 1769).....		Ru	Rc
<i>Porzana pusilla</i> (Pallas, 1776).....	Baillon's Crake		
⁴² <i>Porzana pusilla pusilla</i> (Pallas, 1776).....		V	V
⁴³ <i>Porzana fusca</i> (Linnaeus, 1766).....	Ruddy-breasted Crake	V	V
<i>Gallicrex cinerea</i> (Gmelin, 1789).....	Watercock	V	Vu
<i>Gallinula chloropus</i> (Linnaeus, 1758).....	Common Moorhen		
⁴⁴ <i>Gallinula chloropus chloropus</i> (Linnaeus, 1758).....		Ø	V
⁴⁵ <i>Tribonyx ventralis</i> (Gould, 1837).....	Black-tailed Native-hen	V	Ø
⁴⁶ <i>Fulica atra</i> Linnaeus, 1758.....	Eurasian Coot	V	Ø

Order CHARADRIIFORMES

Family HAEMATOPODIDAE Oystercatchers

<i>Haematopus fuliginosus</i> Gould, 1845.....	Sooty Oystercatcher		
<i>Haematopus fuliginosus ophthalmicus</i> Castelnau and Ramsay, 1877.....		V	Ø

Family RECURVIROSTRIDAE Stilts and avocets

<i>Himantopus himantopus</i> (Linnaeus, 1758).....	Black-winged Stilt		
⁴⁷ <i>Himantopus himantopus leucocephalus</i> Gould, 1837.....	White-headed Stilt	V	V

Family CHARADRIIDAE Plovers, dotterels and lapwings

<i>Vanellus cinereus</i> (Blyth, 1842).....	Grey-headed Lapwing	Ø	V
<i>Vanellus miles</i> (Boddaert, 1783).....	Masked Lapwing	V	V
<i>Pluvialis fulva</i> (Gmelin, 1789).....	Pacific Golden Plover	Vis	Vis
<i>Pluvialis squatarola</i> (Linnaeus, 1758).....	Grey Plover (Black-bellied Plover)		
⁴⁸ <i>Pluvialis squatarola squatarola</i> (Linnaeus, 1758).....		V	Vu
⁴⁹ <i>Charadrius dubius</i> Scopoli, 1786.....	Little Ringed Plover	V	V
⁵⁰ <i>Charadrius alexandrinus</i> Linnaeus, 1758.....	Kentish Plover	V	Ø
<i>Charadrius ruficapillus</i> Temminck, 1821.....	Red-capped Plover (Red-capped Dotterel)	V	V
⁵¹ <i>Charadrius mongolus</i> Pallas, 1776.....	Lesser Sand Plover.	V	Vu
⁵² <i>Charadrius leschenaultii</i> Lesson, 1826.....	Greater Sand Plover	V	Vis
<i>Charadrius veredus</i> Gould, 1848.....	Oriental Plover	Vi	Vi
<i>Elseyornis melanops</i> (Vieillot, 1818).....	Black-fronted Dotterel	V	Ø

³⁹ Thirty nine birds translocated from Pulu Keeling to Horsburgh I. in April 2013.

⁴⁰ Subspecies unknown. Sometimes placed in the genus *Gallirallus*.

⁴¹ First recorded on Christmas I. in 1993; bred successfully to become Common, but subsequently numbers dwindled to now Uncommon resident. First recorded on Cocos I. in 2004, now a Common resident. Estimated population ca. 2,000 birds.

⁴² No specimens available, but photographs suggest nominate ssp.

⁴³ Subspecies unknown, most likely nominate ssp.

⁴⁴ No specimens available, but photographs suggest nominate ssp.

⁴⁵ Sometimes placed in the genus *Gallinula*.

⁴⁶ Subspecies unknown.

⁴⁷ Sometimes treated as a full species.

⁴⁸ Some observations may be attributed to *P. s. tomkovichii*.

⁴⁹ Most likely ssp. *curonicus*.

⁵⁰ Subspecies not determined.

⁵¹ Subspecies not determined

⁵² Subspecies unknown, most likely the nominate.

Family SCOLOPACIDAE Sandpipers and snipes

⁵³ <i>Gallinago stenura</i> (Bonaparte, 1830).....	Pin-tailed Snipe	V	Vu
⁵⁴ <i>Gallinago megala</i> Swinhoe, 1861.....	Swinhoe's Snipe	V	Ø
⁵⁵ <i>Limosa limosa</i> (Linnaeus, 1758).....	Black-tailed Godwit	Ø	V
<i>Limosa lapponica</i> (Linnaeus, 1758).....	Bar-tailed Godwit		
⁵⁶ <i>Limosa lapponica menzbieri</i> Portenko, 1936.....		V	Vu
<i>Numenius minutus</i> Gould, 1841.....	Little Curlew	V	V
⁵⁷ <i>Numenius phaeopus</i> (Linnaeus, 1758).....	Whimbrel	V	Vis
⁵⁸ <i>Numenius arquata</i> (Linnaeus, 1758).....	Eurasian Curlew	Ø	V
⁵⁹ <i>Numenius madagascariensis</i> (Linnaeus, 1766).....	Far Eastern Curlew	V	V
⁶⁰ <i>Tringa totanus</i> (Linnaeus, 1758).....	Common Redshank	V	Vr
<i>Tringa stagnatilis</i> (Bechstein, 1803).....	Marsh Sandpiper	V	V
<i>Tringa nebularia</i> (Gunnerus, 1767).....	Common Greenshank	V	Vu
<i>Tringa glareola</i> Linnaeus, 1758.....	Wood Sandpiper	V	V
<i>Tringa brevipes</i> (Vieillot, 1816).....	Grey-tailed Tattler	V	V
⁶¹ <i>Tringa cinerea</i> (Güldenstädt, 1775).....	Terek Sandpiper	V	Ø
⁶² <i>Tringa hypoleucos</i> Linnaeus, 1758.....	Common Sandpiper	Vr	Vis
<i>Arenaria interpres</i> (Linnaeus, 1758).....	Ruddy Turnstone		
<i>Arenaria interpres interpres</i> (Linnaeus, 1758).....		Vi	Vis
<i>Calidris tenuirostris</i> (Horsfield, 1821).....	Great Knot	V	V
⁶³ <i>Calidris canutus</i> (Linnaeus, 1758).....	Red Knot	V	V
⁶⁴ <i>Calidris alba</i> (Pallas, 1764).....	Sanderling	V	V
<i>Calidris ruficollis</i> (Pallas, 1776).....	Red-necked Stint	V	Vis
<i>Calidris subminuta</i> (Middendorff, 1853).....	Long-toed Stint	V	V
<i>Calidris melanotos</i> (Vieillot, 1819).....	Pectoral Sandpiper	V	Ø
<i>Calidris acuminata</i> (Horsfield, 1821).....	Sharp-tailed Sandpiper	V	V
<i>Calidris ferruginea</i> (Pontoppidan, 1763).....	Curlew Sandpiper	V	Vu
⁶⁵ <i>Limicola falcinellus</i> (Pontoppidan, 1763).....	Broad-billed Sandpiper	Ø	V
<i>Phalaropus lobatus</i> (Linnaeus, 1758).....	Red-necked Phalarope	V	V
<i>Phalaropus fulicarius</i> (Linnaeus, 1758).....	Red Phalarope	V	Ø

Family GLAREOLIDAE Pratincoles

<i>Stiltia isabella</i> (Vieillot, 1816).....	Australian Pratincole	V	Ø
<i>Glareola maldivarum</i> J.R. Forster, 1795.....	Oriental Pratincole	PMu	PMu

Family LARIDAE Gulls and terns

<i>Anous stolidus</i> (Linnaeus, 1758).....	Common Noddy (Brown Noddy)		
⁶⁶ <i>Anous stolidus pileatus</i> (Scopoli, 1786).....		Rc	Bc
⁶⁷ <i>Anous tenuirostris</i> (Temminck, 1823).....	Lesser Noddy	V	Bv

⁵³ Cocos (Keeling) Is. ca. 10 birds observed in 2012.

⁵⁴ No positive observations accepted for Cocos (Keeling) Is.

⁵⁵ Subspecies not determined, most likely ssp. *melanuroides*.

⁵⁶ Subspecies *lapponica* and *bauerii* are likely to occur.

⁵⁷ Subspecies not determined, most likely ssp. *variegatus*.

⁵⁸ Most likely ssp. *orientalis*.

⁵⁹ The name Far Eastern Curlew is preferred to reduce confusion with the eastern race of the Eurasian Curlew *N. arquata orientalis*.

⁶⁰ Subspecies not determined.

⁶¹ Sometimes placed in the genus *Xenus*. *Tringa terek* is a synonym.

⁶² Sometimes placed in the genus *Actitis*.

⁶³ Subspecies *piersmai* and *rogersi* are likely to occur.

⁶⁴ Most likely nominate ssp.

⁶⁵ Subspecies not determined, most likely ssp. *sibirica*.

⁶⁶ On Cocos (Keeling) Is. some birds remain throughout the year.

⁶⁷ Subspecies not determined.

<i>Gygis alba</i> (Sparrman, 1786).....	White Tern (White Noddy)		
<i>Gygis alba candida</i> (Gmelin, 1789)		V	Rc
⁶⁸ <i>Larus canus</i> Linnaeus, 1758.....	Common Gull (Mew Gull)	V	Ø
<i>Larus fuscus</i> Linnaeus, 1758	Lesser Black-backed Gull		
<i>Larus fuscus fuscus</i> Linnaeus, 1758.....	Baltic Gull	Ø	V
⁶⁹ <i>Sterna nilotica</i> Gmelin, 1789	Gull-billed Tern		
⁷⁰ <i>Sterna nilotica affinis</i> Horsfield, 1821	Asian Gull-billed Tern	V	V
<i>Sterna bergii</i> Lichtenstein, 1823.....	Crested Tern (Greater Crested Tern)		
⁷¹ <i>Sterna bergii christata</i> Stephens, 1826		V	V
⁷² <i>Sterna bengalensis</i> Lesson, 1831	Lesser Crested Tern	V	V
⁷³ <i>Sterna albifrons</i> (Pallas, 1764).....	Little Tern		
<i>Sterna albifrons sinensis</i> Gmelin, 1789	White-shafted Little Tern	V	Ø
⁷⁴ <i>Sterna saundersi</i> Hume, 1877	Saunders's Tern	Ø	Vis
⁷⁵ <i>Sterna anaethetus</i> Scopoli, 1786.....	Bridled Tern		
<i>Sterna anaethetus anaethetus</i> Scopoli, 1786.....		V	V
⁷⁶ <i>Sterna fuscata</i> Linnaeus, 1766	Sooty Tern		
⁷⁷ <i>Sterna fuscata nubilosa</i> Sparrman, 1788		Bv	Bv
⁷⁸ <i>Sterna hirundo</i> Linnaeus, 1758.....	Common Tern	V	V
⁷⁹ <i>Sterna hybrida</i> Pallas, 1811	Whiskered Tern	V	V
⁸⁰ <i>Sterna leucoptera</i> Temminck, 1815.....	White-winged Black Tern (White-winged Tern)	V	V
Family STERCORARIIDAE Skuas			
⁸¹ <i>Stercorarius antarcticus</i> (Lesson, 1831).....	Brown Skua	V	Ø
<i>Stercorarius pomarinus</i> (Temminck, 1815).....	Pomarine Skua (Pomarine Jaeger)	V	V
<i>Stercorarius parasiticus</i> (Linnaeus, 1758).....	Arctic Skua (Parasitic Jaeger)	V	Ø

Order COLUMBIFORMES

Family COLUMBIDAE Pigeons and doves

⁸² <i>Columba livia</i> Gmelin, 1789	Domestic Pigeon (Rock Dove)	V	V
<i>Streptopelia orientalis</i> (Latham, 1790).....	Oriental Turtle-Dove		
<i>Streptopelia orientalis meena</i> (Sykes, 1832)		Ø	V
⁸³ <i>Streptopelia [decaocto]</i> (Fridvaldszky, 1838).....	Eurasian Collared Dove	V	Ø
<i>Streptopelia tranquebarica</i> (Hermann, 1804)	Red Turtle-Dove		
<i>Streptopelia tranquebarica humilis</i> (Temminck, 1824).....		V	V
<i>Chalcophaps indica</i> (Linnaeus, 1758)	Emerald Dove		
⁸⁴ <i>Chalcophaps indica natalis</i> Lister, 1888		ERc	X

⁶⁸ Subspecies not determined, most likely *kamtschatschensis*.

⁶⁹ Sometimes placed in the genus *Gelochelidon*.

⁷⁰ Some observations may be attributed to *S. n. nilotica*.

⁷¹ Single specimen from Christmas I. identified as ssp. *christata*. Other observations concern immature birds not attributable to subspecies.

⁷² Subspecies not determined, most likely ssp. *bengalensis*. Sometimes placed in the genus *Thalasseus*.

⁷³ Sometimes placed in the genus *Sternula*.

⁷⁴ Sometimes placed in the genus *Sternula*.

⁷⁵ Sometimes placed in the genus *Onychoprion*.

⁷⁶ Sometimes placed in the genus *Onychoprion*.

⁷⁷ *S. f. serratus* synonymised with ssp. *nubilosa*.

⁷⁸ Subspecies not determined.

⁷⁹ Subspecies not determined. Sometimes placed in the genus *Chlidonias*.

⁸⁰ Sometimes placed in the genus *Chlidonias*.

⁸¹ Subspecies not determined. South Polar Skua *S. maccormicki* could also occur.

⁸² All records attributed to domesticated strains.

⁸³ Unconfirmed sighting 1993; probably ship assisted.

⁸⁴ Introduced to Cocos (Keeling) Islands 1890–1895, but now extirpated.

⁸⁵ <i>[Caloenas] [nicobarica]</i> (Linnaeus, 1758).....	Nicobar Pigeon	V	Ø
⁸⁶ <i>Ducula rosacea</i> (Temminck, 1836).....	Pink-headed Imperial Pigeon	Ø	X
⁸⁷ <i>Ducula whartoni</i> (Sharpe, 1887).....	Christmas Island Imperial Pigeon	ERc	X
<i>Ducula bicolor</i> (Scopoli, 1786).....	Pied Imperial Pigeon	V	Ø

Order CUCULIFORMES

Family CUCULIDAE Cuckoos

⁸⁸ <i>Eudynamys scolopaceus</i> (Linnaeus, 1758).....	Asian Koel (Western Koel)	Vis	V
<i>Chrysococcyx basalis</i> (Horsfield, 1821).....	Horsfield's Bronze Cuckoo	V	Ø
<i>Cacomantis pallidus</i> (Latham, 1802).....	Pallid Cuckoo	V	V
⁸⁹ <i>[Surniculus] [lugubris]</i> (Horsfield, 1821).....	Square-tailed Drongo-Cuckoo	?	V
<i>Hierococcyx sparverioides</i> (Vigors, 1832).....	Large Hawk-Cuckoo	V	Vu
<i>Hierococcyx nisicolor</i> (Blyth, 1843).....	Hodgson's Hawk-Cuckoo	Ø	V
⁹⁰ <i>Cuculus micropterus</i> Gould, 1838.....	Indian Cuckoo	Ø	V
⁹¹ <i>Cuculus saturatus</i> Blyth, 1843.....	Oriental Cuckoo	Vu	Vr

Order STRIGIFORMES

Family STRIGIDAE Typical owls

⁹² <i>Ketupa ketupu</i> (Horsfield, 1821).....	Buffy Fish-Owl	Ø	V
<i>Ninox natalis</i> Lister, 1889.....	Christmas Island Hawk-Owl (Christmas Island Boobook)	ERc	Ø

Order CAPRIMULGIFORMES

Family CAPRIMULGIDAE Nightjars

⁹³ <i>Caprimulgus jotaka</i> Temminck and Schlegel, 1847.....	Grey Nightjar	V	Ø
⁹⁴ <i>Caprimulgus affinis</i> Horsfield, 1821.....	Savanna Nightjar	V	Ø

Order APODIFORMES

Family APODIDAE Swifts

<i>Collocalia esculenta</i> (Linnaeus, 1758).....	Glossy Swiftlet		
⁹⁵ <i>Collocalia esculenta natalis</i> Lister, 1889.....	Christmas Island Swiftlet	ERc	Ø
⁹⁶ <i>Aerodramus</i> spp.	<i>Aerodramus</i> "Nest swiftlets"	Vi	Vi
⁹⁷ <i>Hirundapus caudacutus</i> (Latham, 1801).....	White-throated Needletail	V	V

⁸⁵ Possible sighting listed by Chasen 1933.

⁸⁶ Introduced to Cocos (Keeling) Islands ca. 1890, but now extirpated.

⁸⁷ Introduced to Cocos (Keeling) Islands ca. 1890, last known record in 1906.

⁸⁸ Subspecies not determined, most likely *chinensis*, but *malayanus* may occur. (James and McAllan 2014, *Aust Field Ornith. Supp.* 31: 116–117).

⁸⁹ One positive record.

⁹⁰ Subspecies unknown, most likely the nominate.

⁹¹ The Himalayan Cuckoo *C. s. saturatus* and Horsfield's Cuckoo *C. s. optatus* are herein combined within the vernacular Oriental Cuckoo; both ssp. are likely to occur. Contra to the discussion by James and McAllan 2014, *Aust Field Ornith. Supp.* 31: 117–118, the only two specimens measured from Cocos are referable to *C. s. optatus*.

⁹² Subspecies not determined.

⁹³ Subspecies unknown, most likely the nominate.

⁹⁴ Subspecies not determined.

⁹⁵ Sometimes treated as a full species.

⁹⁶ Regular reports of *Aerodramus* spp. from both Christmas I. and Cocos (Keeling) Is., but no specimens available. Field identification for this group is problematic and possibly includes Himalayan Swiftlet, Mossy-nest Swiftlet, Black-nest Swiftlet and Edible-nest Swiftlet with the probable occurrence of at least two of these species.

⁹⁷ Subspecies unknown, most likely the nominate.

⁹⁸ <i>Hirundapus</i> spp.	Needletail	V	Ø
⁹⁹ <i>Apus apus</i> (Linnaeus, 1758).....	Common Swift	V	Ø
¹⁰⁰ <i>Apus pacificus</i> (Latham, 1801)	Pacific Swift (Fork-tailed Swift)		
¹⁰¹ <i>Apus pacificus pacificus</i> (Latham, 1801).....		Vr	V
¹⁰² <i>Apus nipalensis</i> Hodgson, 1837	House Swift	V	V

Order CORACIIFORMES

Family CORACIIDAE Rollers

¹⁰³ <i>Coracias garrulous</i> Linnaeus, 1758.....	European Roller	Ø	V
¹⁰⁴ <i>Eurystomus orientalis</i> (Linnaeus, 1766).....	Oriental Dollarbird	V	V

Family ALCEDINIDAE Kingfishers

¹⁰⁵ <i>Todiramphus chloris</i> (Boddaert, 1783)	Collared Kingfisher	V	V
¹⁰⁶ <i>Todiramphus sanctus</i> (Vigors and Horsfield, 1827)	Sacred Kingfisher	V	V
¹⁰⁷ <i>Alcedo atthis</i> (Linnaeus, 1758).....	Common Kingfisher	V	V

Family MEROPIDAE Bee-eaters

<i>Merops ornatus</i> Latham, 1802	Rainbow Bee-eater	Ø	V
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Order FALCONIFORMES

Family FALCONIDAE Falcons and kestrels

<i>Falco cenchroides</i> Vigors and Horsfield, 1827	Australian Kestrel (Nankeen Kestrel)		
¹⁰⁸ <i>Falco cenchroides cenchroides</i> Vigors and Horsfield, 1827		Ru	V
¹⁰⁹ <i>Falco subbuteo</i> Linnaeus, 1758	Eurasian Hobby	V	V
<i>Falco berigora</i> Vigors and Horsfield, 1827	Brown Falcon		
¹¹⁰ <i>Falco berigora berigora</i> Vigors and Horsfield, 1827		Ø	V
¹¹¹ <i>Falco peregrinus</i> Tunstall, 1771	Peregrine Falcon	V	V

Order PSITTACIFORMES

Family PSITTACIDAE Parrots

¹¹² <i>Psittacula krameri</i> Scopoli, 1769.....	Rose-ringed Parakeet (Indian Ringnecked Parrot)	X	Ø
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⁹⁸ Unconfirmed sightings of *Hirundapus* spp. could be attributed to either Silver-backed Needletail *H. cochinchinensis* or Brown-backed Needletail *H. giganteus*.

⁹⁹ Most likely ssp. *pekinensis*.

¹⁰⁰ *A. pacificus* has recently been split into a number of taxa.

¹⁰¹ Some observations could be attributed to related taxa.

¹⁰² Currently expanding its range in Lesser Sundas, Indonesia (Johnstone *et al.* 2014). Sometimes treated as conspecific with the Little Swift *Apus affinis*. Subspecies not determined.

¹⁰³ Subspecies not determined, most likely *semenowi*.

¹⁰⁴ Subspecies not determined, most likely *calonyx*.

¹⁰⁵ Subspecies not determined, most likely south east Asian taxa.

¹⁰⁶ Most likely nominate ssp.

¹⁰⁷ Most likely ssp. *bengalensis*.

¹⁰⁸ Arrival on Cocos (Keeling) Islands 2011 (up to 10 birds). No recent observations.

¹⁰⁹ Most likely nominate ssp. Unconfirmed reports from Christmas I.

¹¹⁰ One record, July 2013.

¹¹¹ Subspecies not determined, most likely *calidis* or *japonensis*.

¹¹² A pair deliberately introduced mid-1970s. Last observation 2004.

Order PASSERIFORMES

Family PITTIDAE Pittas		
<i>Pitta nympha</i> Temminck and Schlegel, 1850	Fairy Pitta	V Ø
<i>Pitta moluccensis</i> (P.L.S. Müller, 1776)	Blue-winged Pitta	V Ø
Family CAMPEPHAGIDAE Cuckoo-shrikes and trillers		
¹¹³ <i>Coracina papuensis</i> (Gmelin, 1788)	White-bellied Cuckoo-shrike	V Ø
Family LANIIDAE Shrikes		
<i>Lanius tigrinus</i> Drapiez, 1828	Tiger Shrike	V V
¹¹⁴ <i>Lanius cristatus</i> Linnaeus, 1758	Brown Shrike	V V
Family DICRURIDAE Drongos		
<i>Dicrurus annectans</i> (Hodgson, 1836)	Crow-billed Drongo	Ø V
Family HIRUNDINIDAE Swallows and martins		
<i>Hirundo rustica</i> Linnaeus, 1758	Barn Swallow	
<i>Hirundo rustica gutturalis</i> Scopoli, 1786		PMc PMu
¹¹⁵ <i>Delichon dasypus</i> (Bonaparte, 1850)	Asian House Martin	PMr V
¹¹⁶ <i>Cecropis daurica</i> (Laxmann, 1769)	Red-rumped Swallow	V Ø
¹¹⁷ <i>Petrochelidon nigricans</i> (Vieillot, 1817)	Tree Martin	
<i>Petrochelidon nigricans nigricans</i> (Vieillot, 1817)		V Ø
Family PHYLLOSCOPIDAE Leaf warblers		
¹¹⁸ <i>Phylloscopus fuscatus</i> (Blyth, 1842)	Dusky Warbler	V Ø
¹¹⁹ <i>Phylloscopus borealis</i> (Blasius, 1858)	Arctic Warbler	Ø V
Family ACROCEPHALIDAE Reed warblers		
<i>Acrocephalus orientalis</i> (Temminck and Schlegel, 1847)	Oriental Reed Warbler	V Ø
Family LOCUSTELLIDAE Grass warblers and grassbirds		
¹²⁰ <i>Locustella certhiola</i> (Pallas, 1811)	Pallas's Grasshopper Warbler	V V
Family ZOSTEROPIDAE White-eyes		
¹²¹ <i>Zosterops natalis</i> Lister, 1889	Christmas Island White-eye	ERc Ic
Family STURNIDAE Starlings		
¹²² <i>Gracula religiosa</i> Linnaeus, 1758	Common Hill Myna	X Ø
¹²³ <i>Acridotheres javanicus</i> Cabanis, 1851	Javan Myna	X Ø
¹²⁴ <i>Agrospiza sturninus</i> (Pallas, 1776)	Daurian Starling (Purple-backed Starling)	V V
<i>Pastor roseus</i> (Linnaeus, 1758)	Rosy Starling (Rosy Pastor)	V V
Family TURDIDAE Thrushes		
<i>Turdus poliocephalus</i> Latham, 1801	Island Thrush	
¹²⁵ <i>Turdus poliocephalus erythropleurus</i> Sharpe, 1887		ERc X
<i>Turdus obscurus</i> Gmelin, 1789	Eyebrowed Thrush	Ø V
Family MUSCICAPIDAE Old World flycatchers		
<i>Muscicapa griseisticta</i> (Swinhoe, 1861)	Grey-streaked Flycatcher	V V

¹¹³ A *Coracina* sp. sighting by a casual observer in June 2012 on Cocos Is. (Home I.).

¹¹⁴ All three ssp. *cristatus*, *lucionensis* and *confusus* recorded.

¹¹⁵ Subspecies unknown, most likely the nominate.

¹¹⁶ Subspecies not determined, most likely *japonica*. Sometimes placed in the genus *Hirundo*.

¹¹⁷ Sometimes placed in the genus *Hirundo*. Australian and Timor populations treated under the nominate form contra Gill and Donsker (2013).

¹¹⁸ Subspecies not determined.

¹¹⁹ Historical records largely unconfirmed as former ssp. Arctic Warbler *borealis*, Kamchatka Leaf Warbler *examinandus* and Japanese Leaf Warbler *xanthodryas* recently separated as full species.

¹²⁰ Subspecies not determined.

¹²¹ Introduced to Cocos (Keeling) Islands 1855–1900.

¹²² Possible aviary escapee - recorded 1923. No subsequent records.

¹²³ Possible aviary escapees - recorded 1904 and 1939. No subsequent records.

¹²⁴ Formerly *Sturnia sturnina*.

¹²⁵ Introduced to Cocos (Keeling) Islands 1855–1900.

¹²⁶ <i>Muscicapa sibirica</i> Gmelin, 1789	Dark-sided Flycatcher	Ø	V
¹²⁷ <i>Muscicapa daurica</i> Pallas, 1811.....	Asian Brown Flycatcher	V	Vr
¹²⁸ <i>Cyanoptila cyanomelana</i> (Temminck, 1829)	Blue and White Flycatcher	V	V
¹²⁹ <i>Ficedula narcissina</i> (Temminck, 1836).....	Narcissus Flycatcher	Ø	V
<i>Ficedula mugimaki</i> (Temminck, 1836)	Mugimaki Flycatcher	Ø	V
¹³⁰ <i>Monticola solitarius</i> (Linnaeus, 1758).....	Blue Rock Thrush	Ø	V
¹³¹ <i>Oenanthe oenanthe</i> (Linnaeus, 1758)	Northern Wheatear	V	Ø
Family PASSERIDAE True (Old World) sparrows			
¹³² <i>Passer montanus</i> (Linnaeus, 1758).....	Eurasian Tree Sparrow	Rc	Ø
Family PLOCEIDAE Weavers, widowbirds			
¹³³ <i>Ploceus hypoxanthus</i> (Sparrman, 1788)	Asian Golden Weaver	Ø	X
Family ESTRILDIDAE Estrildid finches			
¹³⁴ <i>Taeniopygia bichenovii</i> (Vigors and Horsfield, 1827).....	Double-barred Finch	Ø	X
¹³⁵ <i>Lonchura oryzivora</i> (Linnaeus, 1758).....	Java Sparrow	Ru	X
Family MOTACILLIDAE Wagtails and pipits			
<i>Motacilla dendronanthus indicus</i> (Gmelin, 1789)	Forest Wagtail	V	Ø
¹³⁶ <i>Motacilla flava</i> Linnaeus, 1758	Yellow Wagtail		
¹³⁷ <i>Motacilla flava simillima</i> Hartert, 1905.....		V	V
<i>Motacilla flava macronyx</i> (Stresemann, 1920)		V	V
¹³⁸ <i>Motacilla flava taivana</i> (Swinhoe, 1863).....	Green-headed Yellow Wagtail	V	V
¹³⁹ <i>Motacilla citreola</i> Pallas, 1776.....	Citrine Wagtail	V	Ø
<i>Motacilla cinerea</i> Tunstall, 1771	Grey Wagtail		
<i>Motacilla cinerea cinerea</i> Tunstall, 1771		Vr	V
<i>Motacilla alba</i> Linnaeus, 1758	White Wagtail		
<i>Motacilla alba ocularis</i> Swinhoe, 1860.....		V	V
<i>Motacilla alba leucopsis</i> Gould, 1838.....		V	Ø
¹⁴⁰ <i>Anthus godlewskii</i> (Taczanowski, 1876).....	Blyth's Pipit	V	Ø
¹⁴¹ <i>Anthus trivialis</i> (Linnaeus, 1758).....	Tree Pipit	Ø	V
<i>Anthus cervinus</i> (Pallas, 1811)	Red-throated Pipit	V	V

¹²⁶ Subspecies unknown, most likely the nominate.

¹²⁷ Subspecies unknown, most likely the nominate.

¹²⁸ Subspecies not determined, most likely *cyanomelana* or *intermedia*.

¹²⁹ Subspecies not determined.

¹³⁰ Subspecies not determined.

¹³¹ Identified from photographs (K. Coate 1996) contra BARC ruling 214. Possible Isabelline Wheatear *O. isabellina* could occur judging from tail pattern of one observation 1998 (Johnstone & Storr 2004).

¹³² Subspecies not determined, most likely *malaccensis*.

¹³³ Introduced to Cocos (Keeling) Islands; failed introduction.

¹³⁴ Possible aviary escapee - recorded 1982 and 1989. No subsequent records.

¹³⁵ Introduced to Cocos (Keeling) Islands before 1828; now extirpated.

¹³⁶ Sometimes Yellow Wagtail treated as two taxa - Eastern and Western Yellow Wagtail, but retained here as a single species *M. flava*.

¹³⁷ *M. f. simillima* herein considered distinct from *M. f. tschutschensis*.

¹³⁸ Sometimes treated as a full species.

¹³⁹ Subspecies unknown, most likely the nominate.

¹⁴⁰ One specimen collected 1923. A few other observations may be attributed to this or other *Anthus* spp.

¹⁴¹ Most likely nominate ssp.

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Gannets, 5	Pipits, 12	Leaf, 11
Geese, 3	Pittas, 11	Reed, 11
Grass warblers, 11	Plovers, 6	Waterhens, 6
Grassbirds, 11	Pratincoles, 7	Weavers, 12
Guineafowl, 3	Rails, 6	White-eyes, 11
Gulls, 7	Reed warblers, 11	