

# Wildlife Recorder Species Database – Update 118 March 2025

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## **Introduction**

This update implements the following:

- IOC World Bird List 15.1
- Corrections to distribution and distribution texts.

### **New**

In species distribution, extinct species are separable from species of uncertain or historic occurrence. In previous versions this was not possible. This change allows the exclusion of extinct species from Species Checklists and the results of queries such as “Where To Go”.

This species update requires version 4.1.318 or later of Wildlife Recorder 4. This update is not compatible with Wildlife Recorder 3.

### **Taxonomy Support**

Important notice for users of Howard and Moore and HBW taxonomies.

It has been some years since the publication of Howard and Moore and there seems to be no sign that a new version will appear. We will no longer be updating the HM taxonomy in future versions of the database. You may continue to use your existing version of H&M taxonomy, but it will no longer be updated.

Since the HBW databases have been taken over by Cornell (eBird) and will use the Clements/eBird taxonomy, we will no longer be updating the HBW taxonomy. You may continue to use your existing version of the HBW taxonomy, but it will no longer be updated.

## **Changes to the Bird Species Database in previous versions**

A complete list of all the changes contained in each version of the species database can be found in the Wildlife Recorder User Area on our website.

## **Changes to the Bird Species Database since last update (version 117 October 2024)**

### ***Clements Taxonomy Changes***

No changes.

## ***IOC Taxonomy Changes***

Implemented changes in IOC 15.1 taxonomy. In addition to the changes noted below there are many species sequence changes in this update. For full details of the IOC changes see the [IOC website](#)

### **New Species and Sub-species**

<b>Species/Sub-species Name</b>
American Flamingo [ruber] ( <i>Phoenicopterus ruber ruber</i> )
American Flamingo [glyphorhynchus] ( <i>Phoenicopterus ruber glyphorhynchus</i> )
Vinous-breasted Sparrowhawk [butonensis] ( <i>Tachyspiza rhodogaster butonensis</i> )
Red-tailed Hawk (socorroensis) ( <i>Buteo jamaicensis socorroensis</i> )
Forest Batis (Short-tailed) ( <i>Batis mixta mixta</i> )
Pied Currawong [riordani] ( <i>Strepera graculina riordani</i> )
White-winged Swallow [magdalенаe] ( <i>Tachycineta albiventer magdalенаe</i> )
White-winged Swallow [albiventer] ( <i>Tachycineta albiventer albiventer</i> )
Dusky Chlorospingus [xanthothorax] ( <i>Chlorospingus semifuscus xanthothorax</i> )
Black-goggled Tanager [griseonota] ( <i>Trichothraupis melanops griseonota</i> )
Black-goggled Tanager [melanops] ( <i>Trichothraupis melanops melanops</i> )

## New Groups

Group Name
Udzungwa Forest Partridge (Udzungwa) ( <i>Xenoperdix udzungwensis udzungwensis</i> )
Udzungwa Partridge (Rubeho) ( <i>Xenoperdix udzungwensis obscuratus</i> )
Chestnut-headed Partridge (Siamese) ( <i>Arborophila cambodiana diversa</i> )
Chestnut-headed Partridge (Chestnut-headed) ( <i>Arborophila cambodiana cambodiana/chandamonyi</i> )
Cocos Booby (Brewster's) ( <i>Sula brewsteri brewsteri</i> )
Cocos Booby (Brewster's) ( <i>Sula brewsteri brewsteri</i> )
Great Cormorant (White-breasted) ( <i>Phalacrocorax carbo lucidus</i> )
Stewart Island Shag (Otago) ( <i>Leucocarbo chalconotus chalconotus</i> )
Stewart Island Shag (Foveaux) ( <i>Leucocarbo chalconotus stewarti</i> )
Red-tailed Hawk (socorroensis) ( <i>Buteo jamaicensis socorroensis</i> )
Eurasian Hoopoe (African) ( <i>Upupa epops africana</i> )
Violet Wood Hoopoe (Violet) ( <i>Phoeniculus damarensis damarensis</i> )
Violet Wood Hoopoe (Grant's) ( <i>Phoeniculus damarensis granti</i> )
Spot-backed Puffbird (Spot-backed) ( <i>Nystalus maculatus maculatus</i> )
Spot-backed Puffbird (Chaco) ( <i>Nystalus maculatus striatipectus</i> )
Ivory-billed Aracari (Brown-billed) ( <i>Pteroglossus azara mariae</i> )
Golden-fronted Woodpecker (Northern) ( <i>Melanerpes aurifrons aurifrons</i> )
Green Parakeet (Green) ( <i>Psittacara holochlorus holochlorus/brewsteri</i> )
Green Parakeet (Red-throated) ( <i>Psittacara holochlorus rubritorquis</i> )
Collared Crescentchest (Collared) ( <i>Melanopareia torquata torquata/rufescens</i> )
Collared Crescentchest (Double-collared) ( <i>Melanopareia torquata bitorquata</i> )
Mouse-colored Tyrannulet (Northern) ( <i>Nesotriccus murinus incomtus/eremonomus</i> )
Mouse-colored Tyrannulet (Southern) ( <i>Nesotriccus murinus murinus/wagae</i> )
Helmeted Friarbird (New Guinea) ( <i>Philemon buceroides [novaeguineae-group]</i> )
Helmeted Friarbird (Hornbill) ( <i>Philemon buceroides yorki</i> )
Western Whipbird (Black-throated) ( <i>Psophodes nigrogularis nigrogularis/oberon</i> )
Western Whipbird (White-bellied) ( <i>Psophodes nigrogularis leucogaster/lashmari</i> )
Forest Batis (Short-tailed) ( <i>Batis mixta mixta</i> )
Forest Batis (Reichenow's) ( <i>Batis mixta reichenowi</i> )
Mangrove Vireo (Providencia) ( <i>Vireo pallens approximans</i> )
Red-bellied Paradise Flycatcher (Annobon) ( <i>Terpsiphone rufiventer smithii</i> )
Rufous-bellied Tit (Rufous-bellied) ( <i>Melaniparus rufiventris rufiventris/masukuensis</i> )
Rufous-bellied Tit (Cinnamon-breasted) ( <i>Melaniparus rufiventris pallidiventris/stenotopicus</i> )
Somali Short-toed Lark (Athi) ( <i>Alaudala somalica athensis</i> )
Somali Short-toed Lark (Somali) ( <i>Alaudala somalica [somalica-group]</i> )
Cabanis's Greenbul (Cabanis's) ( <i>Phyllastrephus cabanisi [cabanisi-group]</i> )

Cabanis's Greenbul (Placid) (*Phyllastrephus cabanisi placidus*)

Common Bulbul (Common) (*Pycnonotus barbatus [barbatus-group]*)

Common Bulbul (Dodson's) (*Pycnonotus barbatus dodsoni*)

Common Bulbul (Somali) (*Pycnonotus barbatus somaliensis*)

Common Bulbul (Dark-capped) (*Pycnonotus barbatus [tricolor-group]*)

Black-browed Bushtit (Black-browed) (*Aegithalos bonvaloti bonvaloti/obscuratus*)

Black-browed Bushtit (Burmese) (*Aegithalos bonvaloti sharpei*)

Banded Prinia (Banded) (*Prinia bairdii bairdii/heinrichi*)

Banded Prinia (Black-faced) (*Prinia bairdii melanops/obscura*)

Winifred's Warbler (Winifred's) (*Scepomycter winifredae winifredae*)

Winifred's Warbler (Rubeho) (*Scepomycter winifredae rubehoensis*)

Common Hill Myna (Enggano) (*Gracula religiosa enganensis*)

Lesser Blue-eared Starling (Lesser) (*Lamprotornis chloropterus chloropterus*)

Lesser Blue-eared Starling (Miombo) (*Lamprotornis chloropterus elisabeth*)

African Stonechat (Madagascar) (*Saxicola torquatus [sibilla-group]*)

Thick-billed Flowerpecker (Striped) (*Pachyglossa agilis [aeruginosa-group]*)

Shelley's Sunbird (Shelley's) (*Cinnyris shelleyi shelleyi*)

Shelley's Sunbird (Hofmann's) (*Cinnyris shelleyi hofmanni*)

Crimson-winged Finch (Eurasian) (*Rhodopechys sanguineus sanguineus*)

Crimson-winged Finch (African) (*Rhodopechys sanguineus alienus*)

## Deleted Species and Sub-species

(N.B. These will still be in the database but marked “not in taxonomy”)

Species/Sub-species Name	Reason
Large Scrubwren [imitator] ( <i>Sericornis nouhuysi imitator</i> )	Included in <i>cantans</i>
Large Scrubwren [boreonesioticus] ( <i>Sericornis nouhuysi boreonesioticus</i> )	Included in <i>virgatus</i>
Dusky-legged Guan [bronzina] ( <i>Penelope obscura bronzina</i> )	Monotypic
Dusky-legged Guan [obscura] ( <i>Penelope obscura obscura</i> )	“
Sri Lanka Frogmouth (South India) ( <i>Batrachostomus moniliger roonwali</i> )	“
Sri Lanka Frogmouth (Sri Lanka) ( <i>Batrachostomus moniliger moniliger</i> )	“
Philippine Pitta (Philippine) [thompsoni] ( <i>Erythropitta erythrogaster thompsoni</i> )	Included in <i>propinqua</i>
Pied Currawong [nebulosa] ( <i>Strepera graculina nebulosa</i> )	Included in <i>ashbyi</i>
Paddyfield Warbler [agricola] ( <i>Acrocephalus agricola agricola</i> )	Monotypic
Paddyfield Warbler [septimus] ( <i>Acrocephalus agricola septimus</i> )	“
Black-chinned Sparrow [caurina] ( <i>Spizella atrogularis caurina</i> )	Included in <i>cana</i>
Fan-tailed Warbler [tephrus] ( <i>Basileuterus lachrymosus tephrus</i> )	Monotypic
Fan-tailed Warbler [schistaceus] ( <i>Basileuterus lachrymosus schistaceus</i> )	“
Fan-tailed Warbler [lachrymosus] ( <i>Basileuterus lachrymosus lachrymosus</i> )	“
Flame-crested Tanager (Natterer's) ( <i>Loriotus cristatus nattereri</i> )	<i>L. c. nattereri</i> (Pelzeln, 1870) is considered a hybrid between <i>T. c. madeirae</i> and <i>T. l. luctuosus</i> (Lopes & Piacentini 2017).

## Splits

Species	Split From
Eastern Rockhopper Penguin ( <i>Eudyptes filholi</i> )	Southern Rockhopper Penguin ( <i>Eudyptes chrysocome</i> )
Western Rockhopper Penguin ( <i>Eudyptes chrysocome</i> )	“
Little Heron ( <i>Butorides atricapilla</i> ) with ssp. <i>atricapilla</i> , <i>brevipes</i> , <i>rutenbergi</i> , <i>rhizophorae</i> , <i>crawfordi</i> , <i>degens</i> , <i>albolimbata</i> , <i>spodiogaster</i> , <i>amurensis</i> , <i>actophila</i> , <i>javanica</i> , <i>steini</i> , <i>moluccarum</i> , <i>papuensis</i> , <i>idenburgi</i> , <i>flyensis</i> , <i>macrorhyncha</i> , <i>stagnatilis</i> , <i>patruelis</i> , <i>solomonensis</i>	Striated Heron ( <i>Butorides striata</i> )
Samoan Myzomela ( <i>Myzomela nigriventris</i> )	Cardinal Myzomela ( <i>Myzomela cardinalis</i> )
Amaui ( <i>Myadestes woahensis</i> )	Olomao ( <i>Myadestes lanaiensis</i> )
New Britain Thrush ( <i>Zoothera talaseae</i> )	Black-backed Thrush ( <i>Zoothera talaseae</i> )
Bougainville Thrush ( <i>Zoothera atrigena</i> )	“
Orange-breasted Forest Robin ( <i>Stiphornis erythrothorax</i> ) with ssp. <i>erythrothorax</i> , <i>gabonensis</i> , <i>dahomeyensis</i> , <i>inexpectatus</i>	Forest Robin ( <i>Stiphornis erythrothorax</i> )
Yellow-breasted Forest Robin ( <i>Stiphornis xanthogaster</i> ) with ssp. <i>xanthogaster</i> , <i>sanghensis</i> , <i>rudderi</i>	“
Olive-backed Forest Robin ( <i>Stiphornis pyrrholaemus</i> )	“
Tboli Sunbird ( <i>Aethopyga tibolii</i> )	Apo Sunbird ( <i>Aethopyga boltoni</i> )
Yellow-mandibled Sparrow ( <i>Arremon axillaris</i> )	Pectoral Sparrow ( <i>Arremon taciturnus</i> )
Black-hooded Tanager ( <i>Stilpnia whitelyi</i> )	Black-headed Tanager ( <i>Stilpnia cyanoptera</i> )

## Lumps

Species	Lumped into
Rubeho Forest Partridge ( <i>Xenoperdix obscuratus</i> )	Udzungwa Forest Partridge ( <i>Xenoperdix udzungwensis</i> )
Siamese Partridge ( <i>Arborophila diversa</i> )	Chestnut-headed Partridge ( <i>Arborophila cambodiana</i> )
White-breasted Cormorant ( <i>Phalacrocorax lucidus</i> )	Great Cormorant ( <i>Phalacrocorax carbo</i> )
Otago Shag ( <i>Leucocarbo chalconotus</i> )	Stewart Island Shag ( <i>Leucocarbo chalconotus</i> )
Foveaux Shag ( <i>Leucocarbo stewarti</i> )	"
Red-chested Goshawk ( <i>Aerospiza toussenelii</i> )	African Goshawk ( <i>Aerospiza tachiro</i> )
African Hoopoe ( <i>Upupa africana</i> )	Eurasian Hoopoe ( <i>Upupa epops</i> )
Grant's Wood Hoopoe ( <i>Phoeniculus granti</i> )	Violet Wood Hoopoe ( <i>Phoeniculus damarensis</i> )
Chaco Puffbird ( <i>Nystalus striatipectus</i> )	Spot-backed Puffbird ( <i>Nystalus maculatus</i> )
Brown-mandibled Aracari ( <i>Pteroglossus mariae</i> )	Ivory-billed Aracari ( <i>Pteroglossus azara</i> )
Velasquez's Woodpecker ( <i>Melanerpes santacruzi</i> )	Golden-fronted Woodpecker ( <i>Melanerpes aurifrons</i> )
Red-throated Parakeet ( <i>Psittacara rubritorquis</i> )	Green Parakeet ( <i>Psittacara holochlorus</i> )
Double-collared Crescentchest ( <i>Melanopareia bitorquata</i> )	Collared Crescentchest ( <i>Melanopareia torquata</i> )
Southern Mouse-colored Tyrannulet ( <i>Nesotriccus murinus</i> )	Mouse-colored Tyrannulet ( <i>Nesotriccus murinus</i> )
Northern Mouse-colored Tyrannulet ( <i>Nesotriccus incomtus</i> )	"
New Guinea Friarbird ( <i>Philemon novaeguineae</i> )	Helmeted Friarbird ( <i>Philemon buceroides</i> )
Hornbill Friarbird ( <i>Philemon yorki</i> )	"
Perplexing Scrubwren ( <i>Sericornis virgatus</i> )	Large Scrubwren ( <i>Sericornis nouhuysi</i> )
Black-throated Whipbird ( <i>Psophodes nigrogularis</i> )	Western Whipbird ( <i>Psophodes nigrogularis</i> )
White-bellied Whipbird ( <i>Psophodes leucogaster</i> )	"
Reichenow's Batis ( <i>Batis reichenowi</i> )	Forest Batis ( <i>Batis mixta</i> )
Providencia Vireo ( <i>Vireo approximans</i> )	Mangrove Vireo ( <i>Vireo pallens</i> )

Annobon Paradise Flycatcher ( <i>Terpsiphone smithii</i> )	Red-bellied Paradise Flycatcher ( <i>Terpsiphone rufiventer</i> )
Cinnamon-breasted Tit ( <i>Melaniparus pallidiventris</i> )	Rufous-bellied Tit ( <i>Melaniparus rufiventris</i> )
Athi Short-toed Lark ( <i>Alaudala athensis</i> )	Somali Short-toed Lark ( <i>Alaudala somalica</i> )
Placid Greenbul ( <i>Phyllastrephus placidus</i> )	Cabanis's Greenbul ( <i>Phyllastrephus cabanisi</i> )
Dodson's Bulbul ( <i>Pycnonotus dodsoni</i> )	Common Bulbul ( <i>Pycnonotus barbatus</i> )
Somali Bulbul ( <i>Pycnonotus somaliensis</i> )	"
Dark-capped Bulbul ( <i>Pycnonotus tricolor</i> )	"
Burmese Bushtit ( <i>Aegithalos sharpei</i> )	Black-browed Bushtit ( <i>Aegithalos bonvaloti</i> )
Black-faced Prinia ( <i>Prinia melanops</i> )	Banded Prinia ( <i>Prinia bairdii</i> )
Rubeho Warbler ( <i>Scepomycter rubehoensis</i> )	Winifred's Warbler ( <i>Scepomycter winifredae</i> )
Enggano Hill Myna ( <i>Gracula enganensis</i> )	Common Hill Myna ( <i>Gracula religiosa</i> )
Miombo Blue-eared Starling ( <i>Lamprotornis elisabeth</i> )	Lesser Blue-eared Starling ( <i>Lamprotornis chloropterus</i> )
Madagascar Stonechat ( <i>Saxicola sibilla</i> )	African Stonechat ( <i>Saxicola torquatus</i> )
White-crowned Cliff Chat ( <i>Thamnolaea coronata</i> )	Mocking Cliff Chat ( <i>Thamnolaea cinnamomeiventris</i> )
Striped Flowerpecker ( <i>Dicaeum aeruginosum</i> )	Thick-billed Flowerpecker ( <i>Dicaeum agile</i> )
Hofmann's Sunbird ( <i>Cinnyris hofmanni</i> )	Shelley's Sunbird ( <i>Cinnyris shelleyi</i> )
Asian Crimson-winged Finch ( <i>Rhodopechys sanguineus</i> )	Crimson-winged Finch ( <i>Rhodopechys sanguineus</i> )
African Crimson-winged Finch ( <i>Rhodopechys alienus</i> )	"

## Species Reassigned to New Families

Species	Old Family	New Family
Sharpbill ( <i>Oxyruncus cristatus</i> )	Tityras, Becards, Sharpbill (Tityridae)	Sharpbill (Oxyruncidae)
Atlantic Royal Flycatcher ( <i>Onychorhynchus swainsoni</i> )	“	Royal Flycatchers and Allies (Onychorhynchidae)
Tropical Royal Flycatcher ( <i>Onychorhynchus coronatus</i> )	“	“
Tawny-breasted Myiobius ( <i>Myiobius villosus</i> )	“	“
Sulphur-rumped Myiobius ( <i>Myiobius sulphureipygius</i> )	“	“
Whiskered Myiobius ( <i>Myiobius barbatus</i> )	“	“
Black-tailed Myiobius ( <i>Myiobius atricaudus</i> )	“	“
Ruddy-tailed Flycatcher ( <i>Terenotriccus erythrurus</i> )	“	“

## Sub-Species Reassigned to New Species

Subspecies	Moved to
Brown Booby (Colombian) ( <i>Sula leucogaster etesiaca</i> )	Cocos Booby ( <i>Sula brewsteri</i> )
Blue-throated Blue Flycatcher [dialilaemus] ( <i>Cyornis rubeculoides dialilaemus</i> )	Hainan Blue Flycatcher ( <i>Cyornis hainanus</i> )

## Common Name changes

Old Common Name	New Common Name
Pacific Long-tailed Cuckoo ( <i>Urodynamis taitensis</i> )	Long-tailed Koel
Waved Woodpecker ( <i>Celeus undatus</i> )	Variable Woodpecker
Rusty-breasted Whistler ( <i>Pachycephala calliope</i> )	Tenggara Whistler
Philippine Tailorbird ( <i>Orthotomus castaneiceps</i> )	Visayan Tailorbird
Trilling Tailorbird ( <i>Orthotomus chloronotus</i> )	Green-backed Tailorbird
Mees's White-Eye ( <i>Heleia javanica</i> )	Javan Heleia
Grey-hooded White-Eye ( <i>Heleia pinaiae</i> )	Grey-hooded Heleia
Pygmy White-Eye ( <i>Heleia squamifrons</i> )	Pygmy Heleia
Mindanao White-Eye ( <i>Heleia goodfellowi</i> )	Mindanao Heleia
Streak-headed White-Eye ( <i>Heleia squamiceps</i> )	Sulawesi Heleia
Cream-browed White-Eye ( <i>Heleia superciliaris</i> )	Eyebrowed Heleia
Crested White-Eye ( <i>Heleia dohertyi</i> )	Crested Heleia
Spot-breasted Heleia ( <i>Heleia muelleri</i> )	Timor Heleia
Yellow-ringed White-Eye ( <i>Heleia wallacei</i> )	Yellow-spectacled Heleia

## Scientific name changes

<b>Old Scientific Name</b>	<b>New Scientific Name</b>
Chestnut-headed Crake ( <i>Rufirallus castaneiceps</i> )	<i>Anurolimnas castaneiceps</i>
Rufous-faced Crake ( <i>Laterallus xenopterus</i> )	<i>Rufirallus xenopterus</i>
Red-and-white Crake ( <i>Laterallus leucopyrrhus</i> )	<i>Rufirallus leucopyrrhus</i>
Black-banded Crake ( <i>Laterallus fasciatus</i> )	<i>Rufirallus fasciatus</i>
Ocellated Crake ( <i>Micropygia schomburgkii</i> )	<i>Rufirallus schomburgkii</i>
Speckled Rail ( <i>Coturnicops notatus</i> )	<i>Laterallus notatus</i>
Congo Serpent Eagle ( <i>Dryotriorchis spectabilis</i> )	<i>Circaetus spectabilis</i>
Western Yellow-billed Barbet ( <i>Trachyphonus goffinii</i> )	<i>Trachylaemus goffinii</i>
Eastern Yellow-billed Barbet ( <i>Trachyphonus purpuratus</i> )	<i>Trachylaemus purpuratus</i>
Karoo Scrub Robin ( <i>Cercotrichas coryphoeus</i> )	<i>Tychaedon coryphoeus</i>
Brown Scrub Robin ( <i>Cercotrichas signata</i> )	<i>Tychaedon signata</i>
Forest Scrub Robin ( <i>Cercotrichas leucosticta</i> )	<i>Tychaedon leucosticta</i>
Bearded Scrub Robin ( <i>Cercotrichas quadrivirgata</i> )	<i>Tychaedon quadrivirgata</i>
Miombo Scrub Robin ( <i>Cercotrichas barbata</i> )	<i>Tychaedon barbata</i>
Böhm's Flycatcher ( <i>Bradornis boehmi</i> )	<i>Myopornis boehmi</i>
Ussher's Flycatcher ( <i>Bradornis ussheri</i> )	<i>Artomyias ussheri</i>
Sooty Flycatcher ( <i>Bradornis fuliginosus</i> )	<i>Artomyias fuliginosa</i>
Olive-backed Flowerpecker ( <i>Prionochilus olivaceus</i> )	<i>Pachyglossa olivacea</i>
Whiskered Flowerpecker ( <i>Dicaeum proprium</i> )	<i>Pachyglossa propria</i>
Yellow-vented Flowerpecker ( <i>Dicaeum chrysorrheum</i> )	<i>Pachyglossa chrysorrhea</i>
Yellow-bellied Flowerpecker ( <i>Dicaeum melanozanthum</i> )	<i>Pachyglossa melanozantha</i>
Legge's Flowerpecker ( <i>Dicaeum vincens</i> )	<i>Pachyglossa vincens</i>
Brown-backed Flowerpecker ( <i>Dicaeum everetti</i> )	<i>Pachyglossa everetti</i>
Thick-billed Flowerpecker ( <i>Dicaeum agile</i> )	<i>Pachyglossa agilis</i>

## **New Distribution Areas**

In this update the following new distribution areas are available.

Timor-Leste, South Sudan, Kalimantan, Peninsular Malaysia, Sabah Malaysia, Sarawak Malaysia, North Korea, South Korea.

These additional areas can be used in workspaces to get more targeted species lists than previously. The new areas do not affect your existing data but to take full advantage of the new areas you may need to make a few adjustments to your locations data as shown below. These changes need to be made after installing the latest species update.

### **Timor-Leste**

Previously all the species present in Timor-Leste were included in the distribution area Lesser Sundas. If you have any trips made in Timor-Leste and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to Timor\_Leste from their current location in Indonesia or Lesser Sundas to the new country Timor\_Leste.
- Optionally create a new workspace for Timor\_Leste so that you can easily view all your trips for that country.

## **South Sudan**

Previously all the species present in South Sudan were included in the distribution area Sudan. If you have any trips made in South Sudan and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to South Sudan from their current location in Sudan to the new country South Sudan.
- Optionally create a new workspace for South Sudan so that you can easily view all your trips for that country.

## **Peninsular Malaysia**

The distribution area Malaysia now contains the species for all the Malaysian territories, Peninsular Malaysia, Sabah and Sarawak. If you have any trips made in Peninsular Malaysia and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to Peninsular Malaysia from their current location in Malaysia to the new area Peninsular Malaysia.
- Optionally create a new workspace for Peninsular Malaysia so that you can easily view all your trips for that area.

## **Sabah Malaysia**

The old Sabah area was linked to species area Borneo so it was not possible to include Sabah records in a Malaysia list and it was only possible to get a list of species for the whole of Borneo, not just Sabah. If you have any trips made in Sabah and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to Sabah from their current location in Borneo, the old Sabah country or Malaysia to the new area Sabah Malaysia.
- Optionally create a new workspace for Sabah Malaysia so that you can easily view all your trips for that area.

## **Sarawak Malaysia**

The old Sarawak area was linked to species area Borneo so it was not possible to include Sarawak records in a Malaysia list and it was only possible to get a list of species for the whole of Borneo, not just Sarawak. If you have any trips made in Sarawak and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to Sarawak from their current location in Borneo, the old Sarawak country or Malaysia to the new area Sarawak Malaysia.
- Optionally create a new workspace for Sarawak Malaysia so that you can easily view all your trips for that area.

## **Kalimantan**

There was no Kalimantan area and the only way to get a species list for that area was to select Borneo so it was not possible to include Kalimantan records in an Indonesian list and it was only possible to get a list of species for the whole of Borneo, not just Kalimantan. If you have any trips made in Kalimantan and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to Kalimantan from their current location in Borneo or Indonesia to the new area Kalimantan.
- Optionally create a new workspace for Kalimantan so that you can easily view all your trips for that area.

## **South Korea**

Previously all the species present in South Korea were included in the distribution area Sudan. If you have any trips made in South Korea and you have created one or more sites for those trips, you can take advantage of the new area by doing the following:

- Use WR4 Locations Admin to move the sites belonging to South Korea from their current location in North Korea to the new country South Korea.
- Optionally create a new workspace for South Korea so that you can easily view all your trips for that country.