



UNEP/CMS/Resolution 14.20

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POTENTIAL AVIAN TAXA FOR LISTING

Adopted by the Conference of the Parties at its 14th Meeting (Samarkand, February 2024)

Recalling the Guidelines for Preparing and Assessing Proposals for the Amendment of CMS Appendices in Resolution 13.7, and the Guidelines to the Implementation of the Concerted Actions Process in Resolution 12.28 (Rev.COP14),

Reaffirming the importance of collaborative action to improve the conservation status of migratory species,

Noting the Convention text in Article VIII 5.c), which states that the Scientific Council should make recommendations to the Conference of the Parties on the migratory species to be included in Appendices I or II, together with an indication of the range of such migratory species,

Noting the importance of taking a strategic approach to developing proposals for listing, in order to focus on those species that would benefit most,

Welcoming the work of the Sessional Committee in the intersessional period between COP13 and COP14 on avian taxa, as well as the work undertaken on all taxa as part of the development of the State of the World's Migratory Species, and

Being aware of the fact that some avian species are Data Deficient and significant efforts are needed to improve the level of knowledge of these taxa in order to avoid the risk of overlooking taxa that deserve conservation efforts, the lists proposed here should be considered as taxa that need action based on the present level of knowledge but do not necessarily encompass all taxa in need of conservation initiatives,

The Conference of the Parties to the Convention on the Conservation of Migratory Species of Wild Animals

- 1. Takes note of the list of avian species that are likely to meet the criteria for listing in the Appendices of the Convention, annexed to this resolution, as a strategic step towards focusing the attention of the Convention on species that would benefit most from conservation action:
- 2. Invites Parties, non-governmental organizations, intergovernmental organizations and other stakeholders to consider working collaboratively to develop listing proposals, Concerted Actions and other multi-species or wider habitat conservation interventions for the species in the Annex for consideration at future meetings of the Conference of the Parties; and

3. Requests the Scientific Council, in coordination with the IUCN Red List authorities, to review including the Data Deficient species, and update the list in the Annex between meetings of the Conference of the Parties.

Annex to Resolution 14.20

List of avian species that meet CMS movement criteria and have an unfavourable conservation status that are not included within aggregated families and are not currently included individually in either Appendix I or Appendix II of the CMS. Taxa in bold type are threatened: Critically Endangered (CR, 14 spp.), Endangered (EN, 31 spp.), Vulnerable (VU, 53 spp.) or Data Deficient (DD, 2 spp.). Species in plain type are Near Threatened (NT, 58 spp.). Total 158 species (out of 1,443 species that otherwise meet CMS movement criteria).

Family name	Common name	Scientific name	2023 IUCN red list category	Movements summary text
Phasianidae	Japanese Quail	Coturnix japonica	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Columbidae	Yellow-eyed Pigeon	Columba eversmanni	VU	Partial migrant: substantial post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south; at least some movements primarily altitudinal; at least one subpopulation separate from the migration pathway considered sedentary. Meets CMS movement criteria.
Columbidae	Nicobar Pigeon	Caloenas nicobarica	NT	Sedentary/resident but breeding and non-breeding locations rarely the same between seasons; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Columbidae	Jambu Fruit-dove	Ramphiculus jambu	NT	Sedentary/resident but moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Caprimulgidae	Sickle-winged Nightjar	Eleothreptus anomalus	VU	Partial migrant: substantial post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Caprimulgidae	Eastern Whip-poor- will	Antrostomus vociferus	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Caprimulgidae	Chuck-will's-widow	Antrostomus carolinensis	NT	Partial migrant: substantial post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south; immatures may migrate beyond normal adult range before returning to breed. Meets CMS movement criteria.
Caprimulgidae	Red-necked Nightjar	Caprimulgus ruficollis	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.

Family name	Common name	Scientific name	2023 IUCN red list category	Movements summary text
Apodidae	Black Swift	Cypseloides niger	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Apodidae	Chimney Swift	Chaetura pelagica	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Apodidae	Dark-rumped Swift	Apus acuticauda	VU	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction; at least some movements primarily altitudinal. Meets CMS movement criteria.
Trochilidae	Rufous Hummingbird	Selasphorus rufus	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Cuculidae	Moustached Hawk- cuckoo	Hierococcyx vagans	NT	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Heliornithidae	Masked Finfoot	Heliopais personatus	CR	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Rallidae	Swinhoe's Rail	Coturnicops exquisitus	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Rallidae	Black Rail	Laterallus jamaicensis	EN	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Rallidae	King Rail	Rallus elegans	NT	Partial migrant: substantial post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Rallidae	Austral Rail	Rallus antarcticus	VU	Partial migrant: post-breeding range contraction with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Rallidae	Band-bellied Crake	Zapornia paykullii	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.

Family name	Common name	Scientific name	2023 IUCN red list category	Movements summary text
Gruidae	Black Crowned Crane	Balearica pavonina	Vu	Partial migrant: post-breeding range shift and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Otididae	Ludwig's Bustard	Neotis ludwigii	EN	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Otididae	Denham's Bustard	Neotis denhami	NT	Partial migrant: substantial post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south; at least some movements primarily altitudinal. Meets CMS movement criteria.
Otididae	Nubian Bustard	Neotis nuba	NT	Partial migrant: post-breeding range shift and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Otididae	Arabian Bustard	Ardeotis arabs	NT	Partial migrant: post-breeding range shift and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Otididae	Lesser Florican	Sypheotides indicus	CR	Full migrant and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Spheniscidae	Emperor Penguin	Aptenodytes forsteri	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Spheniscidae	Macaroni Penguin	Eudyptes chrysolophus	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Spheniscidae	Northern Rockhopper Penguin	Eudyptes moseleyi	EN	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Spheniscidae	Southern Rockhopper Penguin	Eudyptes chrysocome	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Oceanitidae	White-vented Storm-petrel	Oceanites gracilis	DD	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.

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Oceanitidae	New Zealand Storm-petrel	Fregetta maoriana	CR	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Oceanitidae	Polynesian Storm-petrel	Nesofregetta fuliginosa	EN	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Hydrobatidae	Matsudaira's Storm-petrel	Hydrobates matsudairae	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Townsend's Storm-petrel	Hydrobates socorroensis	EN	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Ainley's Storm- petrel	Hydrobates cheimomnestes	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Leach's Storm- petrel	Hydrobates leucorhous	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Swinhoe's Storm- petrel	Hydrobates monorhis	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Guadalupe Storm- petrel	Hydrobates macrodactylus	CR	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Hydrobatidae	Markham's Storm- petrel	Hydrobates markhami	NT	Partial migrant: substantial post-breeding range shift and contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Hydrobatidae	Ringed Storm- petrel	Hydrobates hornbyi	NT	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.

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Procellariidae	MacGillivray's Prion	Pachyptila macgillivrayi	CR	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km east-west. Meets CMS movement criteria.
Procellariidae	White-winged Petrel	Pterodroma leucoptera	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Collared Petrel	Pterodroma brevipes	VU	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Masatierra Petrel	Pterodroma defilippiana	VU	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Stejneger's Petrel	Pterodroma Iongirostris	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Cook's Petrel	Pterodroma cookii	VU	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Pycroft's Petrel	Pterodroma pycrofti	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Procellariidae	Chatham Petrel	Pterodroma axillaris	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Procellariidae	Trindade Petrel	Pterodroma arminjoniana	VU	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Phoenix Petrel	Pterodroma alba	VU	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.

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Procellariidae	Barau's Petrel	Pterodroma baraui	EN	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Procellariidae	Mottled Petrel	Pterodroma inexpectata	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	White-necked Petrel	Pterodroma cervicalis	VU	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Juan Fernandez Petrel	Pterodroma externa	VU	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Black-capped Petrel	Pterodroma hasitata	EN	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Jamaican Petrel	Pterodroma caribbaea	CR	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Cape Verde Petrel	Pterodroma feae	NT	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Desertas Petrel	Pterodroma deserta	VU	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Zino's Petrel	Pterodroma madeira	EN	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Magenta Petrel	Pterodroma magentae	CR	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.

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Procellariidae	Atlantic Petrel	Pterodroma incerta	EN	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Buller's Shearwater	Ardenna bulleri	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south; immatures may migrate beyond normal adult range before returning to breed. Meets CMS movement criteria.
Procellariidae	Sooty Shearwater	Ardenna grisea	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Flesh-footed Shearwater	Ardenna carneipes	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Streaked Shearwater	Calonectris leucomelas	NT	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Cape Verde Shearwater	Calonectris edwardsii	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Hutton's Shearwater	Puffinus huttoni	EN	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Procellariidae	Black-vented Shearwater	Puffinus opisthomelas	NT	Partial migrant: post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Procellariidae	Bryan's Shearwater	Puffinus bryani	CR	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Newell's Shearwater	Puffinus newelli	CR	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.

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Procellariidae	Townsend's Shearwater	Puffinus auricularis	CR	Partial migrant: post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Yelkouan Shearwater	Puffinus yelkouan	VU	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Heinroth's Shearwater	Puffinus heinrothi	VU	Interseason mobility unknown: breeding locations reliably occupied every season but no information on non-breeding movements; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Fiji Petrel	Pseudobulweria macgillivrayi	CR	Interseason mobility unknown: breeding locations reliably occupied every season but no information on non-breeding movements; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Beck's Petrel	Pseudobulweria becki	CR	Interseason mobility unknown: breeding locations reliably occupied every season but no information on non-breeding movements; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Tahiti Petrel	Pseudobulweria rostrata	NT	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Procellariidae	Jouanin's Petrel	Bulweria fallax	NT	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Procellariidae	Whenua Hou Diving-petrel	Pelecanoides whenuahouensis	CR	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Ciconiidae	Greater Adjutant	Leptoptilos dubius	EN	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Ciconiidae	Lesser Adjutant	Leptoptilos javanicus	VU	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.

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Ciconiidae	Painted Stork	Mycteria leucocephala	NT	Partial migrant: substantial post-breeding range expansion with breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Ciconiidae	Milky Stork	Mycteria cinerea	EN	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Ciconiidae	Black-necked Stork	Ephippiorhynchus asiaticus	NT	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Threskiornithid ae	Black-headed Ibis	Threskiornis melanocephalus	NT	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Ardeidae	Agami Heron	Agamia agami	NT	Partial migrant: post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Ardeidae	White-eared Night-heron	Oroanassa magnifica	EN	Partial migrant: substantial post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south; at least some movements primarily altitudinal. Meets CMS movement criteria.
Ardeidae	Reddish Egret	Egretta rufescens	NT	Partial migrant: post-breeding range contraction with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Pelecanidae	Spot-billed Pelican	Pelecanus philippensis	NT	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Sulidae	Abbott's Booby	Papasula abbotti	EN	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.

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Sulidae	Cape Gannet	Morus capensis	EN	Partial migrant: post-breeding range contraction with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south; immatures may migrate beyond normal adult range before returning to breed. Meets CMS movement criteria.
Phalacrocoraci dae	Guanay Cormorant	Leucocarbo bougainvilliorum	NT	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south; sometimes irrupts beyond normal range in significant numbers. Meets CMS movement criteria.
Phalacrocoraci dae	Cape Cormorant	Phalacrocorax capensis	EN	Partial migrant: substantial post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Phalacrocoraci dae	Bank Cormorant	Phalacrocorax neglectus	EN	Sedentary/resident: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel <100 km north-south; immatures may migrate beyond normal adult range before returning to breed. Meets CMS movement criteria.
Glareolidae	Madagascar Pratincole	Glareola ocularis	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km eastwest. Meets CMS movement criteria.
Laridae	Indian Skimmer	Rynchops albicollis	EN	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Laridae	Ivory Gull	Pagophila eburnea	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Laridae	Red-legged Kittiwake	Rissa brevirostris	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Laridae	Black-legged Kittiwake	Rissa tridactyla	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km but in no consistent direction. Meets CMS movement criteria.
Laridae	Heermann's Gull	Larus heermanni	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.

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Laridae	Aleutian Tern	Onychoprion aleuticus	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Laridae	White-fronted Tern	Sterna striata	NT	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km east-west. Meets CMS movement criteria.
Laridae	Elegant Tern	Thalasseus elegans	NT	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Alcidae	Atlantic Puffin	Fratercula arctica	VU	Full migrant and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Alcidae	Cassin's Auklet	Ptychoramphus aleuticus	NT	Partial migrant: post-breeding range shift and substantial expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south; at least one subpopulation separate from the migration pathway considered sedentary. Meets CMS movement criteria.
Alcidae	Long-billed Murrelet	Brachyramphus perdix	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Alcidae	Marbled Murrelet	Brachyramphus marmoratus	EN	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Alcidae	Kittlitz's Murrelet	Brachyramphus brevirostris	NT	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Alcidae	Scripps's Murrelet	Synthliboramphus scrippsi	VU	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Alcidae	Guadalupe Murrelet	Synthliboramphus hypoleucus	EN	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Alcidae	Craveri's Murrelet	Synthliboramphus craveri	VU	Partial migrant: post-breeding range expansion with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.

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Strigidae	Snowy Owl	Bubo scandiacus	VU	Partial migrant: post-breeding range shift and strongly nomadic in both breeding and non-breeding seasons; individuals commonly travel >1,000 km north-south; sometimes irrupts beyond normal range in significant numbers; immatures may migrate beyond normal adult range before returning to breed. Meets CMS movement criteria.
Bucerotidae	Yellow-casqued Hornbill	Ceratogymna elata	VU	Partial migrant: post-breeding range shift and moderately nomadic in breeding season and strongly so in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Bucerotidae	Brown-cheeked Hornbill	Bycanistes cylindricus	VU	Sedentary/resident: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel <100 km but in no consistent direction. Meets CMS movement criteria.
Alcedinidae	Black-capped Kingfisher	Halcyon pileata	VU	Partial migrant: substantial post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Psittacidae	Timneh Parrot	Psittacus timneh	EN	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Psittacidae	Vinaceous- breasted Amazon	Amazona vinacea	EN	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Psittacidae	Turquoise-fronted Amazon	Amazona aestiva	NT	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km east-west; at least some movements primarily altitudinal; at least one subpopulation separate from the migration pathway considered sedentary. Meets CMS movement criteria.
Psittacidae	Thick-billed Parrot	Rhynchopsitta pachyrhyncha	EN	Sedentary/resident but breeding and non-breeding locations rarely the same between seasons; individuals commonly travel 100-1,000 km but in no consistent direction; sometimes irrupts beyond normal range in significant numbers. Meets CMS movement criteria.
Psittacidae	Red-masked Parakeet	Psittacara erythrogenys	NT	Partial migrant: substantial post-breeding range shift: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.

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Psittacidae	Lord Derby's Parakeet	Psittacula derbiana	NT	Partial migrant: post-breeding range expansion with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Psittacidae	Long-tailed Parakeet	Belocercus Iongicaudus	VU	Sedentary/resident but strongly nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Pittidae	Fairy Pitta	Pitta nympha	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Cotingidae	Bare-necked Umbrellabird	Cephalopterus glabricollis	EN	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km but in no consistent direction; at least some movements primarily altitudinal. Meets CMS movement criteria.
Cotingidae	Three-wattled Bellbird	Procnias tricarunculatus	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km but in no consistent direction; at least some movements primarily altitudinal. Meets CMS movement criteria.
Cotingidae	Bare-throated Bellbird	Procnias nudicollis	NT	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south; at least some movements primarily altitudinal. Meets CMS movement criteria.
Tyrannidae	Olive-sided Flycatcher	Contopus cooperi	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Laniidae	Loggerhead Shrike	Lanius Iudovicianus	NT	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Laniidae	lberian Grey Shrike	Lanius meridionalis	VU	Partial migrant: post-breeding range expansion with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Laniidae	Woodchat Shrike	Lanius senator	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Corvidae	Collared Crow	Corvus pectoralis	VU	Partial migrant: post-breeding range expansion with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.

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Alaudidae	Dupont's Lark	Chersophilus duponti	Vu	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Hirundinidae	African River Martin	Pseudochelidon eurystomina	DD	Partial migrant: substantial post-breeding range expansion and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel 100-1,000 km east-west. Meets CMS movement criteria.
Hirundinidae	Bahama Swallow	Tachycineta cyaneoviridis	EN	Partial migrant: substantial post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Hirundinidae	Sinaloa Martin	Progne sinaloae	VU	Full migrant: breeding locations reliably occupied every season but strongly nomadic in non-breeding season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Mimidae	Bendire's Thrasher	Toxostoma bendirei	VU	Partial migrant: post-breeding range contraction with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Bombycillidae	Japanese Waxwing	Bombycilla japonica	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Nectariniidae	Neergaard's Sunbird	Cinnyris neergaardi	NT	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.
Ploceidae	Finn's Weaver	Ploceus megarhynchus	EN	Partial migrant: post-breeding range contraction and moderately nomadic in both breeding and non-breeding seasons; individuals commonly travel <100 km but in no consistent direction. Meets CMS movement criteria.
Fringillidae	Evening Grosbeak	Hesperiphona vespertina	VU	Partial migrant: post-breeding range shift with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel >1,000 km north-south; at least some movements primarily altitudinal; sometimes irrupts beyond normal range in significant numbers. Meets CMS movement criteria.
Fringillidae	Arabian Grosbeak	Rhynchostruthus percivali	NT	Sedentary/resident: breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel <100 km but in no consistent direction. Meets CMS movement criteria.

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Calcariidae	Chestnut-collared Longspur	Calcarius ornatus	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Emberizidae	Jankowski's Bunting	Emberiza jankowskii	EN	Partial migrant: post-breeding range expansion with breeding locations reliably occupied every season but moderately nomadic in non-breeding season; individuals commonly travel <100 km but in no consistent direction. Meets CMS movement criteria.
Emberizidae	Cinereous Bunting	Emberiza cineracea	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Emberizidae	Ochre-rumped Bunting	Emberiza yessoensis	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Emberizidae	Rustic Bunting	Emberiza rustica	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Passerellidae	Harris's Sparrow	Zonotrichia querula	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Icteridae	Eastern Meadowlark	Sturnella magna	NT	Partial migrant: post-breeding range shift with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south; at least one subpopulation separate from the migration pathway considered sedentary. Meets CMS movement criteria.
Icteridae	Tricolored Blackbird	Agelaius tricolor	EN	Sedentary/resident but moderately nomadic in breeding season and strongly so in non-breeding season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Icteridae	Rusty Blackbird	Euphagus carolinus	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Icteridae	Common Grackle	Quiscalus quiscula	NT	Partial migrant: post-breeding range expansion with both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Parulidae	Bachman's Warbler	Vermivora bachmanii	CR	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km north-south. Meets CMS movement criteria.

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Parulidae	Golden-winged Warbler	Vermivora chrysoptera	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Parulidae	Blackpoll Warbler	Setophaga striata	NT	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Parulidae	Golden-cheeked Warbler	Setophaga chrysoparia	EN	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel >1,000 km north-south. Meets CMS movement criteria.
Thraupidae	Black-and-tawny Seedeater	Sporophila nigrorufa	VU	Full migrant: both breeding and non-breeding locations reliably occupied every season; individuals commonly travel 100-1,000 km but in no consistent direction. Meets CMS movement criteria.
Thraupidae	Ibera Seedeater	Sporophila iberaensis	EN	Mobility patterns unknown and no obvious analogues. Meets CMS movement criteria.