

## Appendices I and II of the Convention on the Conservation of Migratory Species of Wild Animals (CMS)

(as amended by the Conference of the Parties in  
1985, 1988, 1991, 1994, 1997, 1999, 2002, 2005, 2008, 2011, 2014, 2017 and 2020)

Effective: 22 May 2020

### Appendix I

#### Interpretation

1. Migratory species included in this Appendix are referred to:
  - a) by the name of the species or subspecies; or
  - b) as being all of the migratory species included in a higher taxon or designated part thereof.
2. Other references to taxa higher than species are for the purposes of information or classification only.
3. Unless otherwise indicated, taxa included in this Appendix correspond to those described in the relevant taxonomic and nomenclature reference adopted by the Conference of the Parties, as listed in the Annex to Resolution 12.27. Where the taxonomic name used does not correspond to the relevant adopted reference, this is indicated in the endnotes.
4. An asterisk (\*) placed against the name of a species indicates that the species, or a separate population of that species, or a higher taxon which includes that species is included in Appendix II.

#### Mammalia

##### PROBOSCIDEA

Elephantidae                      *Elephas maximus indicus*

##### SIRENIA

Trichechidae                      *Trichechus manatus* \* (populations between Honduras and Panama)  
*Trichechus senegalensis* \*

##### PRIMATES

Hominidae                          *Gorilla beringei* <sup>1</sup>  
*Gorilla gorilla*  
*Pan troglodytes* \*

##### CHIROPTERA

Molossidae                          *Tadarida brasiliensis*

##### CARNIVORA

Felidae                                *Acinonyx jubatus* (except populations in Botswana, Namibia and Zimbabwe)  
*Panthera onca* \*  
*Uncia uncia* <sup>2</sup>

Ursidae                                *Ursus arctos isabellinus* (populations in Mongolia and China)

Phocidae                              *Monachus monachus* \*  
*Pusa caspica* \*

Mustelidae                          *Lontra felina* <sup>3</sup>  
*Lontra provocax* <sup>4</sup>

##### PERISSODACTYLA

Equidae                                *Equus africanus* <sup>5</sup>  
*Equus ferus przewalskii* <sup>6</sup>  
*Equus grevyi*

ARTIODACTYLA

Camelidae	<i>Camelus bactrianus</i> <i>Vicugna vicugna</i> * (except Peruvian populations)
Cervidae	<i>Hippocamelus bisulcus</i> <i>Cervus elaphus barbarus</i> <i>Cervus elaphus yarkandensis</i> <sup>7</sup> * (populations in Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan and Afghanistan)
Bovidae	<i>Eudorcas rufifrons</i> <i>Gazella cuvieri</i> <i>Gazella dorcas</i> (only Northwest African populations) <i>Gazella leptoceros</i> <i>Nanger dama</i> <sup>8</sup> <i>Bos grunniens</i> <i>Bos sauveli</i> <i>Addax nasomaculatus</i> <i>Oryx dammah</i> *

CETACEA

Balaenidae	<i>Balaena mysticetus</i> <i>Eubalaena glacialis</i> <sup>9</sup> (North Atlantic) <i>Eubalaena japonica</i> <sup>9</sup> (North Pacific) <i>Eubalaena australis</i> <sup>10</sup>
Balaenopteridae	<i>Balaenoptera borealis</i> * <i>Balaenoptera physalus</i> * <i>Balaenoptera musculus</i> <i>Megaptera novaeangliae</i>
Delphinidae	<i>Delphinus delphis</i> * (only Mediterranean population) <i>Tursiops truncatus ponticus</i> * <i>Orcaella brevirostris</i> * <i>Sousa teuszii</i> *
Physeteridae	<i>Physeter macrocephalus</i> *
Platanistidae	<i>Platanista gangetica gangetica</i> *
Pontoporiidae	<i>Pontoporia blainvillei</i> *
Ziphiidae	<i>Ziphius cavirostris</i> (only Mediterranean subpopulation)

**Aves**

ANSERIFORMES

Anatidae	<i>Oxyura leucocephala</i> * <i>Branta ruficollis</i> * <i>Anser cygnoid</i> <sup>11</sup> * <i>Anser erythropus</i> * <i>Polysticta stelleri</i> * <i>Chloephaga rubidiceps</i> * <i>Marmaronetta angustirostris</i> * <i>Aythya baeri</i> * <i>Aythya nyroca</i> * <i>Sibirionetta formosa</i> <sup>12</sup> *
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PHOENICOPTERIFORMES

Phoenicopteridae	<i>Phoenicoparrus andinus</i> <sup>13</sup> * <i>Phoenicoparrus jamesi</i> <sup>14</sup> *
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GRUIFORMES

Rallidae	<i>Sarothrura ayresi</i> *
Gruidae	<i>Leucogeranus leucogeranus</i> <sup>15</sup> * <i>Antigone vipio</i> <sup>16</sup> * <i>Grus japonensis</i> * <i>Grus monacha</i> * <i>Grus nigricollis</i> *

OTIDIFORMES	
Otididae	<i>Tetrax tetrax</i> * <i>Otis tarda</i> * <i>Chlamydotis undulata</i> (only Northwest African populations) <i>Ardeotis nigriceps</i> <i>Houbaropsis bengalensis bengalensis</i>
SPHENISCIFORMES	
Spheniscidae	<i>Spheniscus humboldti</i>
PROCELLARIIFORMES	
Diomedidae	<i>Diomedea antipodensis</i> * <i>Diomedea amsterdamensis</i> <i>Phoebastria albatrus</i> <sup>17</sup>
Procellariidae	<i>Pterodroma atrata</i> <i>Pterodroma sandwichensis</i> <sup>18</sup> <i>Pterodroma phaeopygia</i> <i>Pterodroma cahow</i> <i>Ardenna creatopus</i> <sup>19</sup> <i>Puffinus mauretanicus</i> <i>Pelecanoides garnotii</i>
CICONIIFORMES	
Ciconiidae	<i>Ciconia boyciana</i>
PELECANIFORMES	
Threskiornithidae	<i>Platalea minor</i> <i>Geronticus eremita</i> *
Ardeidae	<i>Gorsachius goisagi</i> <i>Ardeola idae</i> * <i>Egretta eulophotes</i>
Pelecanidae	<i>Pelecanus crispus</i> * <i>Pelecanus onocrotalus</i> * (only Palearctic populations)
SULIFORMES	
Fregatidae	<i>Fregata andrewsi</i>
CHARADRIIFORMES	
Charadriidae	<i>Vanellus gregarius</i> <sup>20</sup> *
Scolopacidae	<i>Numenius tahitiensis</i> * <i>Numenius borealis</i> * <i>Numenius tenuirostris</i> * <i>Numenius madagascariensis</i> * <i>Calidris tenuirostris</i> * <i>Calidris canutus rufa</i> * <i>Calidris pygmaea</i> <sup>21</sup> * <i>Calidris subruficollis</i> <sup>22</sup> * <i>Calidris pusilla</i> * <i>Tringa guttifer</i> *
Laridae	<i>Saundersilarus saundersi</i> <sup>23</sup> <i>Larus relictus</i> <i>Larus leucophthalmus</i> * <i>Larus audouinii</i> * <i>Larus atlanticus</i> <i>Sternula lorata</i> <sup>24</sup> <i>Thalasseus bernsteini</i> <sup>25</sup>
Alcidae	<i>Synthliboramphus wumizusume</i>

ACCIPITRIFORMES

Accipitridae

*Neophron percnopterus* \*  
*Sarcogyps calvus* \*  
*Trigonoceps occipitalis* \*  
*Necrosyrtes monachus* \*  
*Gyps bengalensis* \*  
*Gyps africanus* \*  
*Gyps indicus* \*  
*Gyps tenuirostris* \*  
*Gyps coprotheres* \*  
*Gyps rueppelli* \*  
*Torgos tracheliotos* \*  
*Clanga clanga* <sup>26</sup> \*  
*Aquila nipalensis* \*  
*Aquila adalberti* <sup>27</sup> \*  
*Aquila heliaca* \*  
*Haliaeetus leucoryphus* \*  
*Haliaeetus albicilla* \*  
*Haliaeetus pelagicus* \*

CORACIIFORMES

Coraciidae

*Coracias garrulus* \*

FALCONIFORMES

Falconidae

*Falco naumanni* \*  
*Falco vespertinus* \*  
*Falco cherrug* \* (except Mongolian populations)

PSITTACIFORMES

Psittacidae

*Brotogeris pyrrhoptera* <sup>28</sup>

PASSERIFORMES

Tyrannidae

*Alectrurus tricolor* \*  
*Alectrurus risora* \*

Acrocephalidae

*Acrocephalus sorghophilus* \*  
*Acrocephalus paludicola* \*  
*Acrocephalus griseldis* \*

Hirundinidae

*Hirundo atrocaerulea* \*

Turdidae

*Geokichla guttata* <sup>29</sup> \*

Fringillidae

*Serinus syriacus*

Emberizidae

*Emberiza aureola*

Icteridae

*Xanthopsar flavus* <sup>30</sup> \*

Parulidae

*Setophaga kirtlandii* <sup>31</sup>  
*Setophaga cerulea* <sup>32</sup>

Thraupidae

*Sporophila hypochroma* \*  
*Sporophila cinnamomea* \*  
*Sporophila palustris* <sup>33</sup> \*

**Reptilia**

TESTUDINATA

Cheloniidae

*Chelonia mydas* \*  
*Caretta caretta* \*  
*Eretmochelys imbricata* \*  
*Lepidochelys kempii* \*  
*Lepidochelys olivacea* \*

Dermochelyidae

*Dermochelys coriacea* \*

Pelomedusidae

*Podocnemis expansa* \* (only Upper Amazon populations)

CROCODYLIA  
Gavialidae *Gavialis gangeticus*

**Pisces**

**Elasmobranchii**

ORECTOLOBIFORMES  
Rhincodontidae *Rhincodon typus* \*

LAMNIFORMES  
Lamnidae *Carcharodon carcharias* \*  
Cetorhinidae *Cetorhinus maximus* \*

CARCHARHINIFORMES  
Carcharhinidae *Carcharhinus longimanus*

SQUATINIFORMES  
Squatinae *Squatina squatina* \*

RHINOPRISTIFORMES  
Rhinobatidae *Rhinobatos rhinobatos* \* (Mediterranean population)  
Pristidae *Anoxypristis cuspidata* \*  
*Pristis clavata* \*  
*Pristis pectinata* \*  
*Pristis zijsron* \*  
*Pristis pristis* <sup>34</sup> \*

MYLIOBATIFORMES  
Mobulidae *Manta alfredi* \*  
*Manta birostris* \*  
*Mobula mobular* <sup>35</sup> \*  
*Mobula japanica* <sup>36</sup> \*  
*Mobula thurstoni* \*  
*Mobula tarapacana* \*  
*Mobula eregoodootenkee* \*  
*Mobula kuhlii* \*  
*Mobula hypostoma* \*  
*Mobula rochebrunei* \*  
*Mobula munkiana* \*

**Actinopterygii**

ACIPENSERIFORMES  
Acipenseridae *Acipenser sturio* \*

SILURIFORMES  
Schilbeidae *Pangasianodon gigas*

## Appendix II

### Interpretation

1. Migratory species included in this Appendix are referred to:
  - a) by the name of the species or subspecies; or
  - b) as being all of the migratory species included in a higher taxon or designated part thereof.

Unless otherwise indicated, where reference is made to a taxon higher than species, it is understood that all the migratory species within that taxon could significantly benefit from the conclusion of AGREEMENTS.
2. The abbreviation "spp." following the name of a Family or Genus is used to denote all migratory species within that Family or Genus.
3. Other references to taxa higher than species are for the purposes of information or classification only.
4. Unless otherwise indicated, taxa included in this Appendix correspond to those described in the relevant taxonomic and nomenclature reference adopted by the Conference of the Parties, as listed in the Annex to Resolution 12.27. Where the taxonomic name used does not correspond to the relevant adopted reference, this is indicated in the endnotes.
5. An asterisk (\*) placed against the name of a species or higher taxon indicates that the species, or a separate population of that species, or one or more species included in that higher taxon is included in Appendix I.

### Mammalia

#### PROBOSCIDEA

Elephantidae                      *Loxodonta africana*  
   *Loxodonta cyclotis*<sup>37</sup>

#### SIRENIA

Dugongidae                         *Dugong dugon*  
Trichechidae                       *Trichechus inunguis*  
   *Trichechus manatus* \* (populations between Honduras and Panama)  
   *Trichechus senegalensis* \*

#### PRIMATES

Hominidae                         *Pan troglodytes* \*

#### CHIROPTERA

Pteropodidae                       *Eidolon helvum* (only African populations)  
Rhinolophidae                     R. spp. (only European populations)  
Molossidae                         *Otomops madagascariensis*<sup>38</sup>  
   *Otomops martiensseni* (only African populations)  
   *Tadarida insignis*<sup>39</sup>  
   *Tadarida latouchei*<sup>39</sup>  
   *Tadarida teniotis*  
Vespertilionidae                   V. spp. (only European populations)  
   *Lasiurus blossevillii*  
   *Lasiurus borealis*  
   *Lasiurus cinereus*  
   *Lasiurus ega*  
   *Miniopterus majori*<sup>40</sup>  
   *Miniopterus natalensis*<sup>40</sup> (only African populations)  
   *Miniopterus schreibersii* (only African and European populations)

CARNIVORA

Felidae	<i>Panthera leo</i> <i>Panthera onca</i> * <i>Panthera pardus</i>
Canidae	<i>Lycaon pictus</i>
Ursidae	<i>Ursus maritimus</i>
Otariidae	<i>Arctocephalus australis</i> <i>Otaria flavescens</i>
Phocidae	<i>Halichoerus grypus</i> (only Baltic Sea populations) <i>Monachus monachus</i> * <i>Phoca vitulina</i> (only Baltic and Wadden Sea populations) <i>Pusa caspica</i> *

PERISSODACTYLA

Equidae	<i>Equus hemionus</i> <sup>41</sup> <i>Equus kiang</i> <sup>42</sup>
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ARTIODACTYLA

Camelidae	<i>Vicugna vicugna</i> *
Cervidae	<i>Cervus elaphus yarkandensis</i> <sup>7</sup> * (populations in Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan and Afghanistan)
Giraffidae	<i>Giraffa camelopardalis</i>
Bovidae	<i>Gazella erlangeri</i> <sup>43</sup> <i>Gazella gazella</i> (only Asian populations) <i>Gazella subgutturosa</i> <i>Procapra gutturosa</i> <i>Saiga borealis</i> <sup>44</sup> <i>Saiga tatarica</i> <sup>44</sup> <i>Ammotragus lervia</i> <i>Ovis ammon</i> <i>Ovis vignei</i> <sup>45</sup> <i>Oryx dammah</i> * <i>Kobus kob leucotis</i>

CETACEA

Balaenopteridae	<i>Balaenoptera bonaerensis</i> <i>Balaenoptera edeni</i> <i>Balaenoptera borealis</i> * <i>Balaenoptera omurai</i> <sup>46</sup> <i>Balaenoptera physalus</i> *
Neobalaenidae	<i>Caperea marginata</i>
Delphinidae	<i>Sousa chinensis</i> <i>Sousa teuszii</i> * <i>Sotalia fluviatilis</i> <i>Sotalia guianensis</i> <sup>47</sup> <i>Lagenorhynchus albirostris</i> (only North and Baltic Sea populations) <i>Lagenorhynchus acutus</i> (only North and Baltic Sea populations) <i>Lagenorhynchus obscurus</i> <i>Lagenorhynchus australis</i> <i>Grampus griseus</i> (only North Sea, Baltic Sea and Mediterranean populations) <i>Tursiops aduncus</i> (Arafura/Timor Sea populations) <i>Tursiops truncatus</i> * (North Sea, Baltic Sea, Mediterranean and Black Sea populations) <i>Stenella attenuata</i> (eastern tropical Pacific population, Southeast Asian populations) <i>Stenella longirostris</i> (eastern tropical Pacific populations, Southeast Asian populations)

	<i>Stenella coeruleoalba</i> (eastern tropical Pacific population, Mediterranean population)
	<i>Stenella clymene</i> (West African population)
	<i>Delphinus delphis</i> * (North and Baltic Sea, Mediterranean, Black Sea and eastern tropical Pacific populations)
	<i>Lagenodelphis hosei</i> (Southeast Asian populations)
	<i>Orcaella brevirostris</i> *
	<i>Orcaella heinsohni</i> <sup>48</sup>
	<i>Cephalorhynchus commersonii</i> (South American population)
	<i>Cephalorhynchus eutropia</i>
	<i>Cephalorhynchus heavisidii</i>
	<i>Orcinus orca</i>
	<i>Globicephala melas</i> (only North and Baltic Sea populations) <sup>49</sup>
Monodontidae	<i>Delphinapterus leucas</i> <i>Monodon monoceros</i>
Phocoenidae	<i>Phocoena phocoena</i> (North and Baltic Sea, western North Atlantic, Black Sea and North West African populations) <i>Phocoena spinipinnis</i> <i>Phocoena dioptica</i> <i>Neophocaena phocaenoides</i> <i>Neophocaena asiaeorientalis</i> <sup>50</sup> <i>Phocoenoides dalli</i>
Physeteridae	<i>Physeter macrocephalus</i> *
Platanistidae	<i>Platanista gangetica gangetica</i> <sup>51</sup> *
Iniidae	<i>Inia geoffrensis</i>
Pontoporiidae	<i>Pontoporia blainvillei</i> *
Ziphiidae	<i>Berardius bairdii</i> <i>Hyperoodon ampullatus</i>

### Aves

GALLIFORMES	
Phasianidae	<i>Coturnix coturnix coturnix</i>
ANSERIFORMES	
Anseranatidae	A. spp. <sup>52</sup> *
Anatidae	A. spp. *
PODICIPEDIFORMES	
Podicipedidae	<i>Podiceps grisegena grisegena</i> <i>Podiceps auritus</i> (Western Palearctic populations)
PHOENICOPTERIFORMES	
Phoenicopteridae	Ph. spp. *
COLUMBIFORMES	
Columbidae	<i>Streptopelia turtur turtur</i>
GRUIFORMES	
Rallidae	<i>Sarothrura boehmi</i> <i>Sarothrura ayresi</i> * <i>Crex crex</i> <i>Porzana porzana</i> (populations breeding in the Western Palearctic) <i>Zapornia parva</i> <sup>53</sup> (Western Eurasia/Africa population) <i>Zapornia pusilla intermedia</i> <sup>54</sup> <i>Amaurornis marginalis</i> <sup>55</sup> <i>Fulica atra atra</i> (Mediterranean and Black Sea populations)



Gruidae	<i>Leucogeranus leucogeranus</i> <sup>56</sup> * <i>Antigone</i> spp. <sup>56</sup> * <i>Buggeranus carunculatus</i> <sup>56</sup> <i>Anthropoides</i> spp. <sup>56</sup> <i>Grus</i> spp. *
OTIDIFORMES	
Otididae	<i>Tetrax tetrax</i> * <i>Otis tarda</i> * <i>Chlamydotis macqueenii</i> <sup>57</sup>
GAVIIFORMES	
Gaviidae	<i>Gavia stellata</i> (Western Palearctic populations) <i>Gavia arctica arctica</i> <sup>58</sup> <i>Gavia immer</i> <sup>59</sup> (Northwest European population) <i>Gavia adamsii</i> (Western Palearctic population)
SPHENISCIFORMES	
Spheniscidae	<i>Spheniscus demersus</i>
PROCELLARIIFORMES	
Diomedeidae	<i>Diomedea sanfordi</i> <sup>60</sup> <i>Diomedea epomophora</i> <i>Diomedea exulans</i> <i>Diomedea antipodensis</i> <sup>61</sup> * <i>Diomedea dabbenena</i> <sup>61</sup> <i>Phoebastria fusca</i> <i>Phoebastria palpebrata</i> <i>Phoebastria irrorata</i> <sup>62</sup> <i>Phoebastria nigripes</i> <sup>63</sup> <i>Phoebastria immutabilis</i> <sup>64</sup> <i>Thalassarche chlororhynchos</i> <sup>65</sup> <i>Thalassarche carteri</i> <sup>66</sup> <i>Thalassarche chrysostoma</i> <sup>67</sup> <i>Thalassarche melanophris</i> <sup>68</sup> <i>Thalassarche impavida</i> <sup>69</sup> <i>Thalassarche bulleri</i> <sup>70</sup> <i>Thalassarche cauta</i> <sup>71</sup> <i>Thalassarche steadi</i> <sup>72</sup> <i>Thalassarche eremita</i> <sup>72</sup> <i>Thalassarche salvini</i> <sup>72</sup>
Procellariidae	<i>Macronectes halli</i> <i>Macronectes giganteus</i> <i>Procellaria cinerea</i> <i>Procellaria aequinoctialis</i> <i>Procellaria conspicillata</i> <sup>73</sup> <i>Procellaria westlandica</i> <i>Procellaria parkinsoni</i>
CICONIIFORMES	
Ciconiidae	<i>Mycteria ibis</i> <i>Ciconia nigra</i> <i>Ciconia microscelis</i> <sup>74</sup> <i>Ciconia ciconia</i>
PELECANIFORMES	
Threskiornithidae	<i>Platalea alba</i> (excluding Malagasy population) <i>Platalea leucorodia</i> <i>Threskiornis aethiopicus</i> <sup>75</sup> (Sub-Saharan Africa and Southwest Asia (Iran/Iraq) populations)

	<i>Geronticus eremita</i> *
	<i>Plegadis falcinellus</i>
Ardeidae	<i>Botaurus stellaris stellaris</i> (Western Palearctic populations) <i>Ixobrychus minutus minutus</i> (Western Palearctic populations) <i>Ixobrychus sturmii</i> <i>Ardeola idae</i> * <i>Ardeola rufiventris</i> <i>Ardea purpurea purpurea</i> (populations breeding in the Western Palearctic) <i>Ardea alba alba</i> <sup>76</sup> (Western Palearctic populations) <i>Egretta vinaceigula</i>
Pelecanidae	<i>Pelecanus crispus</i> * <i>Pelecanus onocrotalus</i> * (Western Palearctic populations)
SULIFORMES	
Phalacrocoracidae	<i>Microcarbo pygmaeus</i> <sup>77</sup> <i>Phalacrocorax nigrogularis</i>
CHARADRIIFORMES	
Burhinidae	<i>Burhinus oedicephalus</i>
Haematopodidae	H. spp. <sup>78</sup>
Ibidorhynchidae	I. spp. <sup>78</sup>
Recurvirostridae	R. spp.
Charadriidae	C. spp. *
Scolopacidae	S. spp. <sup>79</sup> *
Pluvianellidae	P. spp. <sup>80</sup>
Dromadidae	<i>Dromas ardeola</i>
Glareolidae	<i>Glareola pratincola</i> <i>Glareola nordmanni</i> <i>Glareola nuchalis</i>
Laridae	<i>Anous minutus worcesteri</i> <i>Rynchops flavirostris</i> <i>Larus genei</i> <i>Larus ichthyaetus</i> (West Eurasian and African population) <i>Larus melanocephalus</i> <i>Larus hemprichii</i> <i>Larus leucophthalmus</i> * <i>Larus audouinii</i> * <i>Larus armenicus</i> <i>Sternula albifrons</i> <sup>81</sup> <i>Sternula saundersi</i> <sup>82</sup> <i>Sternula balaenarum</i> <sup>83</sup> <i>Gelochelidon nilotica nilotica</i> <sup>84</sup> (West Eurasian and African populations) <i>Hydroprogne caspia</i> <sup>85</sup> (West Eurasian and African populations) <i>Chlidonias leucopterus</i> (West Eurasian and African population) <i>Chlidonias niger niger</i> <i>Sterna dougallii</i> (Atlantic population) <i>Sterna hirundo hirundo</i> (populations breeding in the Western Palearctic) <i>Sterna repressa</i> <i>Sterna paradisaea</i> (Atlantic populations) <i>Thalasseus bengalensis</i> <sup>86</sup> (African and Southwest Asian populations) <i>Thalasseus sandvicensis sandvicensis</i> <sup>87</sup> <i>Thalasseus maximus albidorsalis</i> <sup>88</sup> <i>Thalasseus bergii</i> <sup>89</sup> (African and Southwest Asian populations)

CATHARTIFORMES	
Cathartidae	C. spp.
ACCIPITRIFORMES	
Pandionidae	<i>Pandion haliaetus</i>
Accipitridae	A. spp. *
CORACIIFORMES	
Meropidae	<i>Merops apiaster</i>
Coraciidae	<i>Coracias garrulus</i> *
FALCONIFORMES	
Falconidae	F. spp. *
PSITTACIFORMES	
Psittacidae	<i>Amazona tucumana</i>
PASSERIFORMES	
Tyrannidae	<i>Polystictus pectoralis pectoralis</i> <i>Pseudocolopteryx dinelliana</i> <i>Alectrurus tricolor</i> * <i>Alectrurus risora</i> *
Maluridae	M. spp. <sup>90</sup>
Dasyornithidae	D. spp. <sup>90</sup>
Meliphagidae	M. spp. <sup>90</sup>
Acanthizidae	A. spp. <sup>90</sup>
Orthonychidae	O. spp. <sup>90</sup>
Pomatostomidae	P. spp. <sup>90</sup>
Mohouidae	M. spp. <sup>90</sup>
Eulacestomidae	E. spp. <sup>90</sup>
Oriolidae	O. spp. <sup>90</sup>
Oreoicidae	O. spp. <sup>90</sup>
Cinclosomatidae	C. spp. <sup>90</sup>
Falcunculidae	F. spp. <sup>90</sup>
Pachycephalidae	P. spp. <sup>90</sup>
Psophodidae	P. spp. <sup>90</sup>
Vireonidae	V. spp. <sup>90</sup>
Rhagologidae	R. spp. <sup>90</sup>
Artamidae	A. spp. <sup>90</sup>
Machaerirhynchidae	M. spp. <sup>90</sup>
Vangidae	V. spp. <sup>90</sup>
Platysteiridae	P. spp. <sup>90</sup>
Rhipiduridae	R. spp. <sup>90</sup>
Ifritidae	I. spp. <sup>90</sup>
Monarchidae	M. spp. <sup>90</sup>
Laniidae	<i>Lanius minor</i> (European population) <i>Lanius excubitor excubitor</i>
Melampittidae	M. spp. <sup>90</sup>
Picathartidae	P. spp. <sup>90</sup>

Eupetidae	E. spp. <sup>90</sup>
Chaetopidae	C. spp. <sup>90</sup>
Petroicidae	P. spp. <sup>90</sup>
Hylotiidae	H. spp. <sup>90</sup>
Stenostiridae	S. spp. <sup>90</sup>
Panuridae	P. spp. <sup>90</sup>
Macrosphenidae	M. spp. <sup>90</sup>
Cisticolidae	C. spp. <sup>90</sup>
Acrocephalidae	A. spp. <sup>90</sup>
Pnoepygidae	P. spp. <sup>90</sup>
Locustellidae	L. spp. <sup>90</sup>
Hirundinidae	<i>Hirundo atrocaerulea</i> *
Bernieridae	B. spp. <sup>90</sup>
Phylloscopidae	P. spp. <sup>90</sup>
Scotocercidae	S. spp. <sup>90</sup>
Aegithalidae	A. spp. <sup>90</sup>
Sylviidae	S. spp. <sup>90</sup>
Zosteropidae	Z. spp. <sup>90</sup>
Timaliidae	T. spp. <sup>90</sup>
Pellorneidae	P. spp. <sup>90</sup>
Leiotrichidae	L. spp. <sup>90</sup>
Poliopitilidae	P. spp. <sup>90</sup>
Turdidae	T. spp. <sup>90</sup>
Muscicapidae	M. spp. *
Regulidae	R. spp. <sup>90</sup>
Hylocitreidae	H. spp. <sup>90</sup>
Motacillidae	M. spp. <sup>90</sup>
Emberizidae	<i>Emberiza sulphurata</i>
Icteridae	<i>Xanthopsar flavus</i> <sup>30</sup> * <i>Dolichonyx oryzivorus</i>
Parulidae	<i>Cardellina canadensis</i>
Thraupidae	<i>Sporophila ruficollis</i> <i>Sporophila hypochroma</i> * <i>Sporophila cinnamomea</i> * <i>Sporophila palustris</i> <sup>33</sup> *

### Reptilia

#### TESTUDINATA

Cheloniidae	C. spp. *
Dermochelyidae	D. spp. *
Pelomedusidae	<i>Podocnemis expansa</i> *

#### CROCODYLIA

Crocodylidae	<i>Crocodylus porosus</i>
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**Pisces**

**Elasmobranchii**

ORECTOLOBIFORMES  
Rhincodontidae

*Rhincodon typus* \*

LAMNIFORMES  
Lamnidae

*Carcharodon carcharias* \*  
*Isurus oxyrinchus*  
*Isurus paucus*  
*Lamna nasus*

Cetorhinidae

*Cetorhinus maximus* \*

Alopiidae

*Alopias pelagicus*  
*Alopias superciliosus*  
*Alopias vulpinus*

CARCHARHINIFORMES

Triakidae

*Galeorhinus galeus*

Carcharhinidae

*Carcharhinus falciformis*  
*Carcharhinus obscurus*  
*Prionace glauca*

Sphyrnidae

*Sphyrna lewini*  
*Sphyrna mokarran*  
*Sphyrna zygaena*

SQUALIFORMES

Squalidae

*Squalus acanthias* (Northern Hemisphere populations)

SQUATINIFORMES

Squatinae

*Squatina squatina* \*

RHINOPRISTIFORMES

Rhinobatidae

*Rhinobatos rhinobatos* \*

Rhinidae

*Rhynchobatus australiae*

Pristidae

*Anoxypristis cuspidata* \*  
*Pristis clavata* \*  
*Pristis pectinata* \*  
*Pristis zijsron* \*  
*Pristis pristis* <sup>34</sup> \*

MYLIOBATIFORMES

Mobulidae

*Manta alfredi* \*  
*Manta birostris* \*  
*Mobula mobular* <sup>35</sup> \*  
*Mobula japanica* <sup>36</sup> \*  
*Mobula thurstoni* \*  
*Mobula tarapacana* \*  
*Mobula eregoodootenkee* \*  
*Mobula kuhlii* \*  
*Mobula hypostoma* \*  
*Mobula rochebrunei* \*  
*Mobula munkiana* \*

**Actinopterygii**

ACIPENSERIFORMES

Acipenseridae

*Huso huso*  
*Huso dauricus*  
*Acipenser baerii baicalensis*  
*Acipenser fulvescens*  
*Acipenser gueldenstaedtii*  
*Acipenser medirostris*  
*Acipenser mikadoi*  
*Acipenser naccarii*  
*Acipenser nudiventris*  
*Acipenser persicus*  
*Acipenser ruthenus* (Danube population)  
*Acipenser schrenckii*  
*Acipenser sinensis*  
*Acipenser stellatus*  
*Acipenser sturio* \*  
*Pseudoscaphirhynchus kaufmanni*  
*Pseudoscaphirhynchus hermanni*  
*Pseudoscaphirhynchus fedtschenkoi*  
*Psephurus gladius*

ANGUILLIFORMES

Anguillidae

*Anguilla anguilla*

**Insecta**

LEPIDOPTERA

Danaidae

*Danaus plexippus*

- 
- 1 Formerly included in *Gorilla gorilla*
  - 2 Formerly listed as *Panthera uncia*
  - 3 Formerly listed as *Lutra felina*
  - 4 Formerly listed as *Lutra provocax*
  - 5 Corresponds to *Equus asinus* (only wild populations)
  - 6 Corresponds to *Equus caballus przewalskii*
  - 7 Formerly listed as *Cervus elaphus bactrianus*
  - 8 Formerly listed as *Gazella dama*
  - 9 Formerly included in *Balaena glacialis glacialis*
  - 10 Formerly listed as *Balaena glacialis australis*
  - 11 Formerly listed as *Anser cygnoides*
  - 12 Formerly listed as *Anas formosa*
  - 13 Formerly listed as *Phoenicopterus andinus*
  - 14 Formerly listed as *Phoenicopterus jamesi*
  - 15 Formerly listed as *Grus leucogeranus*
  - 16 Formerly listed as *Grus vipio*
  - 17 Formerly listed as *Diomedea albatrus*
  - 18 Formerly included in *Pterodroma phaeopygia* (s.l.)
  - 19 Formerly listed as *Puffinus creatopus*
  - 20 Formerly listed as *Chettusia gregaria*
  - 21 Formerly listed as *Eurynorhynchus pygmeus*
  - 22 Formerly listed as *Tryngites subruficollis*
  - 23 Formerly listed as *Larus saundersi*
  - 24 Formerly listed as *Sterna lorata*
  - 25 Formerly listed as *Sterna bernsteini*

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- 26 Formerly listed as *Aquila clanga*  
27 Formerly included in *Aquila heliaca* (s.l.)  
28 Formerly listed as *Brotogeris pyrrhopterus*  
29 Formerly listed as *Zoothera guttata*  
30 Formerly listed as *Agelaius flavus*  
31 Formerly listed as *Dendroica kirtlandii*  
32 Formerly listed as *Dendroica cerulea*  
33 This includes *Sporophila zelichi*  
34 This includes *Pristis microdon*  
35 This includes *Mobula diabolus*  
36 This includes *Mobula rancureli*  
37 Formerly included in *Loxodonta africana*  
38 Formerly included in *Otomops martiensseni*  
39 Formerly included in *Tadarida teniotis*  
40 Formerly included in *Miniopterus schreibersii*  
41 This includes *Equus onager*  
42 Formerly included in *Equus hemionus* (s.l.)  
43 Formerly included in *Gazella gazella*  
44 Formerly included in *Saiga tatarica*, sensu Wilson & Reeder 1993  
45 Corresponds to *Ovis aries* in Wilson and Reeder 2005, and applies only to wild populations in Afghanistan, India, Iran, Kazakhstan, Pakistan, Tajikistan, Turkmenistan and Uzbekistan, except for hybrid populations  
46 Formerly included in *Balaenoptera edeni*  
47 Formerly included in *Sotalia fluviatilis*  
48 Formerly included in *Orcaella brevirostris*  
49 Formerly listed as *Globicephala melaena*  
50 Formerly included in *Neophocaena phocaenoides*  
51 Formerly listed as *Platanista gangetica*  
52 Formerly included in Anatidae  
53 Formerly listed as *Porzana parva parva*  
54 Formerly listed as *Porzana pusilla intermedia*  
55 Formerly listed as *Aenigmatolimnas marginalis*  
56 Formerly included in *Grus* spp.  
57 Formerly included in *Chlamydotis undulata*  
58 This includes *Gavia arctica suschkini*  
59 Formerly listed as *Gavia immer immer*  
60 Formerly included in *Diomedea epomophora*  
61 Formerly included in *Diomedea exulans*  
62 Formerly listed as *Diomedea irrorata*  
63 Formerly listed as *Diomedea nigripes*  
64 Formerly listed as *Diomedea immutabilis*  
65 Formerly listed as *Diomedea chlororhynchos*  
66 Formerly included in *Diomedea chlororhynchos*  
67 Formerly listed as *Diomedea chrysostoma*  
68 Formerly listed as *Diomedea melanophris*  
69 Formerly included in *Diomedea melanophris*  
70 Formerly listed as *Diomedea bulleri*  
71 Formerly listed as *Diomedea cauta*  
72 Formerly included in *Diomedea cauta*  
73 Formerly included in *Procellaria aequinoctialis*  
74 Formerly listed as *Ciconia episcopus microscelis*  
75 Formerly listed as *Threskiornis aethiopicus aethiopicus*  
76 Formerly listed as *Casmerodius albus albus* (Western Palearctic populations)  
77 Formerly listed as *Phalacrocorax pygmaeus*  
78 Formerly included in Recurvirostridae  
79 This includes the sub-family Phalaropodinae, formerly listed as the family Phalaropodidae  
80 Formerly included in Scolopacidae  
81 Formerly listed as *Sterna albifrons*  
82 Formerly listed as *Sterna saundersi*  
83 Formerly listed as *Sterna balaenarum*

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- 84 Formerly listed as *Sterna nilotica nilotica*
  - 85 Formerly listed as *Sterna caspia*
  - 86 Formerly listed as *Sterna bengalensis*
  - 87 Formerly listed as *Sterna sandvicensis sandvicensis*
  - 88 Formerly listed as *Sterna maxima albididorsalis*
  - 89 Formerly listed as *Sterna bergii*
  - 90 Formerly included in Muscipidae