

OUTPUTS OF THE ASSESSMENT UNDERTAKEN IN ACCORDANCE WITH THE ANNEX OF
RESOLUTION CONF. 14.8 (REV. COP19) ON THE PERIODIC REVIEW OF SPECIES INCLUDED
IN APPENDICES I AND II

FAUNA

Assessment conducted by UNEP-WCMC under an agreement signed with the CITES Secretariat

Data included in the Output tables

Data for inclusion in Outputs 1, 3 and 4 of the periodic review were extracted from the CITES Trade Database (<https://trade.cites.org/>) 12th April 2024¹. Where trade was reported at subspecies level, but the relevant CITES listing is at species level, trade data were resolved to species level. Details of the data used for each Output are provided in Table 1, and details of contextual information included in each Output are listed in Table 2.

Table 1. Trade data components used to generate Outputs 1, 3 and 4 defined under Resolution Conf. 14.8 (Rev. CoP19). Output 2 is covered by the RST post-CoP19 summary output ([AC32 Doc 14.02](#)).

	Output 1	Output 3	Output 4
Description	“Wild” sourced trade in Appendix I	No/minimal trade in Appendix I	No/minimal trade in Appendix II
CITES Trade Database report type	Direct trade only (re-exports are excluded)		
	Exporter and importer-reported data	Exporter-reported data only	
Appendix	Appendix I ²	Appendix I ³	Appendix II
Source codes⁴	W, R, U, X and unreported	All source codes. Only taxa with less than or equal to five trade records ⁵ for both (i) sources C and D and (ii) all other sources, were retained	
Purpose codes⁴	T and unreported ⁶	All purpose codes	
Term codes⁴	All term codes		
Units of measure	All unit codes converted to standard units of measure (e.g., grams to kilograms or millilitres to litres) ⁷ . Units reported as ‘NAR’ (number of specimens) and blank were resolved to number of specimens.		
Year range	2013-2022 ⁸		

¹ Includes all CITES annual reports and query responses received by UNEP-WCMC by 14/01/2024. Only data representing direct trade was extracted (i.e., origin = blank). This analysis may not fully capture all trade in specimens taken in the marine environment from areas beyond national jurisdiction; for details on this see page 3 of [AC32 Doc. 14.2](#).

² Including trade reported in (a) Appendix I populations of split-listed taxa, and (b) Appendix I higher taxonomic groups.

³ For CITES-listed taxa with no trade reported, a precautionary treatment of split-listed taxa (i.e., those with a listing of “I/II” according to the Species+) was made, with such taxa included in Output 3 instead of Output 4.

⁴ A full list and description of source, purpose and term codes is available in the [CITES Trade Database user guide](#)

⁵ A trade record was defined as a unique row of trade in a CITES annual trade report, forming all or part of a reported permit and with a quantity greater than zero.

⁶ Taking a precautionary approach, trade in Appendix I taxa reported without a purpose was also included in Output 1 since this may have included commercial purposes.

⁷ For details on the standardisation steps performed on the trade data see the following [Methods](#) document from TradeView.

⁸ Trade data for 2022 may appear lower than other years due to missing annual reports; annual reports for 2022 from 65% of Parties were included in the analysis.

Table 2. Overview of contextual information included in the Output tables.

	Output 1	Output 3	Output 4
Global conservation status and population trend of a given taxon, if assessed, as published in the IUCN Red List of Threatened Species, as well as the year it was last assessed ⁹ .	✓	✓	✓
The year that a taxon was first listed under CITES , alongside the year it was listed in its current Appendix (if different)	✓	✓	✓
Parties with reservations in place ¹⁰	✓	✓	✓
A list of native range States for a given species ¹¹	✓	✓	✓
Percentage of wild-sourced trade in a given taxon represented by a given exporter ¹² . Exporters accounting for <0.1% of total trade are not reported in the table.	✓		
Percentage of wild-sourced trade in a given taxon represented by a given importer ¹² . Importers accounting for <0.1% of total trade are not reported in the table.	✓		
Percentage of wild-sourced trade in a given taxon represented by a given source code ¹² . Source codes accounting for <0.1% of total trade are not reported in the table.	✓		

The following taxa were excluded from all Outputs, as outlined in Resolution Conf. 14.8 (Rev. CoP19) paragraphs 2 and 3 b) ii) A-C:

- Taxa subject to listing proposals at CoP17, CoP18 or CoP19, independent of whether the proposals were adopted¹³;
- Taxa subject to ongoing reviews, under the Review of Significant Trade (Resolution Conf. 12.8 (Rev. CoP18)), or periodic review process conducted within the last 10 years (post-CoP15 onwards);
- Taxa subject to other reviews targeted by valid Decisions and Resolutions of the 19th CoP¹⁴; and
- All ‘great whales’ (here identified as all species of baleen whale (families Balaenopteridae, Balaenidae, Eschrichtiidae and Neobalaenidae), along with the sperm whale (*Physeter macrocephalus*))

No species were excluded on the basis of paragraph 3 b) ii) D of the Resolution (‘*species for which it is clear that there has been no change in the status, range or trade and for which there is no possibility to need to amend the Appendices*’), since this exclusion requires further refinement of a methodology to calculate and define ‘no change’.

⁹ IUCN Red List data (Version 2023-1) downloaded on 07/02/24. <https://www.iucnredlist.org/en>.

¹⁰ Data on reservations obtained from the CITES Checklist, downloaded 03/04/2024. <https://checklist.cites.org/#/en>

¹¹ Native Range States for each taxon were defined as those with the following distribution tags on Species+: ‘Native’, ‘Reintroduced’ or ‘Origin Uncertain’. <https://www.speciesplus.net/>.

¹² Assessed separately for purpose codes ‘T’ and unreported. Calculated across terms and units for a given taxon.

¹³ This did not include taxa subject to changing hash annotations.

¹⁴ Taken as all valid Decisions and Resolutions where the scientific name of the species or higher taxon was named in the title, except for Decisions relating to nomenclature that did not relate to the trade or conservation status of the taxon.

Output 1: “Wild” sourced trade in Appendix I taxa (Table 3)

Key to Table 3 (Output 1 of the Annex of Resolution Conf. 14.8 (Rev. CoP19))

Purpose: T = Commercial, - = Not reported.

Term and unit: for a full list of term codes and their definitions see the CITES Trade Database user guide¹⁵. Trade in the unit ‘blank’ includes trade data reported with the unit code ‘NAR’ (number of specimens) or where the unit column has been left blank.

Trade summaries: exporter- and importer-reported quantities of trade per Appendix I-listed taxon, purpose, term and unit. Quantities are rounded to the nearest decimal place. ‘0’ indicates that no trade from wild sources (W, R, U, X and unreported) was reported between 2013-2022 with either purpose code T (commercial) or unreported; trade may have occurred under different purpose codes.

Exporters and importers (% trade): list of direct exporters and importers of wild-sourced (W, R, U, X and unreported) trade, provided as ISO2 codes (see Appendix 1 for full country/territory names) and ranked by % of wild-sourced trade each exporter or importer accounted for¹⁶. Percentages are correct to 1 decimal place; exporters and importers accounting for <0.1% of total trade are not included. For a full list of source codes and their definitions see the CITES Trade Database user guide¹⁵.

Source (% trade): W = Wild, R = Ratched, U = Unknown, - = Not reported. Ranked by % of trade¹⁶. Sources accounting for <0.1% of total trade are not included. No relevant trade was reported under source X (specimens taken in the marine environment beyond the jurisdiction of any State).

Red List status: EX = Extinct, EW = Extinct in the Wild, DD = Data Deficient, NE = Not Evaluated, LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered. ‘NE’ represents a taxon which has not yet been assessed at the global level.

Population trend in brackets: (→) = stable population trend; (↓) = decreasing population trend; (↑) = increasing population trend; (?) = unknown population trend.

IUCN year of assessment: in brackets, e.g. (2011).

Range States and Parties with reservations: included as ISO2 codes, see Appendix 1 for full country/territory names.

Year CITES listed: the year a given taxon was first listed in its current CITES Appendix, with the year first listed in CITES (if originally listed in a different Appendix) provided in parentheses.

*Note that some taxa (e.g. *Chlamydotis macqueenii*) may be included in Output 1 on the basis of trade reported by the country/territory of import, and not due to reporting on the part of the country/territory of export.*

¹⁵ https://trade.cites.org/cites_trade_guidelines/en-CITES_Trade_Database_Guide.pdf

¹⁶ Calculated based on gross exports, whereby quantities reported by the exporter and importer are compared and the largest quantity is taken based on data aggregated by year, taxon, term, unit, source, purpose, exporter and importer.

Table 3. Output 1: Summary of **Appendix I** taxa traded from wild sources (W, R, U, X and unreported) over the period 2013-2022 for commercial purposes or an unreported purpose. Trade data extracted from the CITES Trade Database on 12th April 2024. See Key on page 3.

Taxon	Purpose	Term (unit)	Exporter-reported quantity	Importer-reported quantity	Exporters (% trade)	Importers (% trade)	Source (% trade)	Red List status	Year CITES Listed	Parties with reservations	Range States
Mammals											
Artiodactyla: Bovidae											
<i>Addax nasomaculatus</i>	T	trophies	1	0	US (100%)	IT (100%)	R (100%)	CR (↓) (2016)	1983 (1975)		ML, MR, NE, SD, TD
<i>Capra falconeri</i>	T	trophies	0	1	KG (100%)	MX (100%)	W (100%)	NT (↑) (2014)	1975		AF, IN, PK, TJ, TM, UZ
<i>Oryx dammah</i>	T	trophies	1	1	US (50%), ZA (50%)	IT (50%), RO (50%)	R (50%), W (50%)	EN (↑) (2022)	1983 (1975)		MA, TN
	-	trophies	6	0	LS (100%)	ZA (50%), AU (50%)	- (100%)				
<i>Oryx leucoryx</i>	-	live	2	8	XX (80%), JO (20%)	JO (80%), SA (20%)	- (100%)	VU (→) (2016)	1975		AE, IL, JO, OM, SA, SY
Artiodactyla: Cervidae											
<i>Blastocerus dichotomus</i>	T	specimens	0	1	US (100%)	UY (100%)	- (100%)	VU (↓) (2016)	1975		AR, BO, BR, PE, PY
<i>Hippocamelus antisensis</i>	T	specimens	0	1	US (100%)	UY (100%)	- (100%)	VU (↓) (2016)	1975		AR, BO, CL, EC, PE
<i>Hippocamelus bisulcus</i>	T	specimens	0	1	US (100%)	UY (100%)	- (100%)	EN (↓) (2015)	1975		AR, CL
<i>Ozotoceros bezoarticus</i>	T	specimens	0	2	US (100%)	UY (100%)	- (100%)	NT (↓) (2015)	1975		AR, BO, BR, PY, UY
<i>Pudu puda</i>	T	specimens	0	1	US (100%)	UY (100%)	- (100%)	NT (↓) (2016)	1975		AR, CL
Carnivora: Mustelidae											
<i>Lontra longicaudis</i>	T	specimens	6	0	UY (100%)	MX (100%)	W (100%)	NT (↓) (2020)	1975		AR, BO, BR, BZ, CO, CR, EC, GF, GT, GY, HN, MX, NI, PA, PE, PY, SR, SV, TT, UY, VE
Carnivora: Phocidae											
<i>Monachus monachus</i>	T	tusks	0	10	CA (100%)	JP (100%)	W (100%)	VU (↑) (2023)	1975		CV, CY, DZ, EH, ES, GM, GR, MR, RU, SN, TR
Primates: Hominidae											
<i>Gorilla gorilla</i>	T	specimens	5	0	CG (100%)	DE (100%)	- (100%)	CR (↓) (2016)	1975		AO, CD, CF, CG, CM, GA, GQ, NG
	-	specimens	460	0	CM (96.8%), GA (3.2%)	DE (96.8%), XX (2.9%), FR (0.3%)	- (99.7%), W (0.3%)				
	-	hair	212	0							
	-	unspecified	22	0							

Taxon	Purpose	Term (unit)	Exporter-reported quantity	Importer-reported quantity	Exporters (% trade)	Importers (% trade)	Source (% trade)	Red List status	Year CITES Listed	Parties with reservations	Range States
<i>Pan troglodytes</i>	T	specimens	947	0	CG (100%)	GA (76.3%), US (20%), DE (3.7%)	- (100%)	EN (↓) (2016)	1977 (1975)		AO, BI, CD, CF, CG, CI, CM, GA, GH, GM, GN, GQ, GW, LR, ML, NG, RW, SL, SN, SS, TZ, UG
	-	specimens (kg)	0.035	0	CM (99.6%), IQ (0.2%), AO (0.2%)	DE (54.1%), US (45.5%), KE (0.2%), XX (0.2%)	- (90.4%), W (9.4%), U (0.2%)				
		specimens	450	0							
		hair	36	0							
		live	1	1							
Primates: Lemuridae											
<i>Eulemur mongoz</i>	T	live	3	0	KM (100%)	MG (83.3%), VG (16.7%)	W (100%)	CR (↓) (2018)	1975		KM, MG
		unspecified	15	0							
Sirenia: Trichechidae											
<i>Trichechus senegalensis</i>	T	live	0	9	CG (77.8%), ML (22.2%)	TH (77.8%), RU (22.2%)	W (100%)	VU (?) (2015)	2013 (1975)		AO, BJ, CD, CG, CI, CM, GA, GH, GM, GN, GQ, GW, LR, ML, MR, NE, NG, SL, SN, TD, TG
Birds											
Coraciiformes: Bucerotidae											
<i>Buceros bicornis</i>	-	carvings	0	1	GB (100%)	CN* (100%)	- (100%)	VU (↓) (2020)	1992 (1975)		BD, BT, CN, ID, IN, KH, LA, MM, MY, NP, SG, TH, VN
Falconiformes: Falconidae											
<i>Falco rusticolus</i>	T	live	1	34	CA (77.1%), AT (17.1%), ES (5.7%)	BH (74.3%), QA (17.1%), AE (8.6%)	- (91.4%), U (5.7%), W (2.9%)	LC (→) (2021)	1979 (1975)	SA	AT, BE, BG, CA, CH, CN, CZ, DE, DK, EE, FI, FO, FR, GB, GL, IE, IM, IS, JP, KG, KZ, LT, LV, NL, NO, PL, PM, PT, RU, SE, SJ, UA, US
	-	live	0	5	KW (100%)	KG (100%)	- (100%)				
Gruiformes: Otididae											
<i>Chlamydotis macqueenii</i>	-	live	0	1512	AE (100%)	JO (100%)	- (100%)	VU (↓) (2021)	1979 (1975)		AE, AF, AZ, BE, BH, CH, CN, CY, CZ, DE, DK, EG, FI, FR, GR, IL, IN, IQ, IR, IT, JO, KG, KZ, LB, LV, MN, NL, OM, PK, PL, QA, RO, RU, SA, SD, SE, SI, SK, SY, TJ, TM, UA, UZ, YE
		specimens (l)	0.4	0							
Psittaciformes: Cacatuidae											
<i>Cacatua moluccensis</i>	T	live	0	1	PH (100%)	KR (100%)	R (100%)	VU (↓) (2016)	1990 (1981)		ID
	-	live	0	8	SG (100%)	KW (100%)	- (100%)				

Taxon	Purpose	Term (unit)	Exporter-reported quantity	Importer-reported quantity	Exporters (% trade)	Importers (% trade)	Source (% trade)	Red List status	Year CITES Listed	Parties with reservations	Range States
<i>Cacatua sulphurea</i>	T	live	3	7	CZ (55.6%), GB (44.4%)	KE (55.6%), BH (22.2%), PK (22.2%)	- (55.6%), U (44.4%)	CR (↓) (2021)	2005 (1981)		ID, TL
<i>Probosciger aterrimus</i>	T	live	5	3	BH (62.5%), UZ (37.5%)	ZA (62.5%), TR (37.5%)	- (62.5%), U (37.5%)	NT (↓) (2023)	1987 (1975)		AU, ID, PG
Psittaciformes: Psittacidae											
<i>Amazona auropalliata</i>	T	live	1	1	GB (100%)	KW (100%)	U (100%)	CR (↓) (2021)	2003 (1981)	PH	BZ, CR, GT, HN, MX, NI, SV
	-	live	1	48	XX (73.5%), SG (20.4%), CA (4.1%), HU (2%)	JO (77.6%), KW (22.4%)	- (100%)				
<i>Amazona oratrix</i>	T	live	8	19	GB (40%), OM (40%), BE (16%), XX (4%)	BH (56%), KW (28%), PK (12%), JO (4%)	- (56%), U (44%)	EN (↓) (2020)	2003 (1981)	PH	BZ, GT, HN, MX
	-	live	8	38	XX (43.5%), SG (21.7%), CA (17.4%), HU (17.4%)	JO (60.9%), KW (39.1%)	- (100%)				
<i>Amazona versicolor</i>	-	live	2	0	LC (100%)	DE (100%)	W (100%)	VU (↑) (2020)	1975		LC
<i>Anodorhynchus hyacinthinus</i>	T	live	2	0	PH (100%)	IN (100%)	- (100%)	VU (↓) (2016)	1987 (1981)		BO, BR, PY
<i>Ara ambiguus</i>	T	feathers	15	0	EC (60%), NG (40%)	US (60%), BH (40%)	W (60%), - (40%)	CR (↓) (2020)	1985 (1976)		CO, CR, EC, HN, NI, PA
		live	0	10							
<i>Ara glaucogularis</i>	T	live	0	2	ZA (100%)	QA (100%)	- (100%)	CR (→) (2021)	1983 (1981)		BO
<i>Ara macao</i>	T	live	147	121	SR (100%)	TH (38.2%), KW (13%), SA (12.6%), ID (11.8%), CN (6.7%), DO (5.9%), CW (4.7%), EG (2.4%), DM (2.4%), UZ (2.4%)	W (100%)	LC (↓) (2022)	1985 (1976)	SR	BO, BR, BZ, CO, CR, EC, GF, GT, GY, HN, MX, NI, PA, PE, SR, TT, VE
	-	live	34	29	SR (50.8%), XX (36.5%), BE (7.9%), HU (3.2%), AE (1.6%)	TH (50.8%), JO (36.5%), MV (9.5%), KW (3.2%)	W (50.8%), - (49.2%)				
<i>Ara rubrogenys</i>	T	live	0	2	ZA (100%)	BH (100%)	U (100%)	CR (↓) (2021)	1983 (1981)		BO
<i>Primolius maracana</i>	T	live	0	1	ZA (100%)	KW (100%)	- (100%)	NT (↓) (2016)	1990 (1981)		BR, PY
<i>Psittacula echo</i>	T	live	0	10	OM (100%)	MV (100%)	- (100%)	VU (↑) (2019)	1975		MU
<i>Strigops habroptila</i>	-	feathers	1	1	NL (50%), KR (50%)	NL (50%), KR (50%)	- (100%)	CR (↑) (2018)	1975		NZ

Taxon	Purpose	Term (unit)	Exporter-reported quantity	Importer-reported quantity	Exporters (% trade)	Importers (% trade)	Source (% trade)	Red List status	Year CITES Listed	Parties with reservations	Range States
Reptiles											
Crocodylia: Alligatoridae											
<i>Melanosuchus niger</i>	T	specimens	74	0	GY (100%)	US (100%)	W (100%)	NT (?) (2000)	1975		BO, BR, CO, EC, GF, GY, PE, PY, VE
Sauria: Iguanidae											
<i>Brachylophus fasciatus</i>	-	specimens	15	0	FJ (100%)	US (100%)	W (100%)	EN (↓) (2012)	1981		FJ
Serpentes: Pythonidae											
<i>Python molurus</i>	T	leather products (small)	1	151	TH (68.4%), ID (30.3%), CN (0.8%), CN* (0.5%)	US (98.7%), JP (1%), CA (0.3%)	W (99%), U (1%)	NT (↓) (2019)	1975		BD, CN, CN*, ID, IN, KH, LA, LK, MM, MY, NP, PK, TH, VN
		jewellery	0	197							
		skin pieces	0	4							
		leather products (large)	0	40							
	-	leather products (small)	27	30	MC (34.6%), DE (25.6%), XV (19.2%), VN (19.2%), IT (1.3%)	XV (33.3%), IL (26.9%), CN* (19.2%), MC (19.2%), XX (1.3%)	- (100%)				
		garments	0	1							
	live	0	20								
Fish											
Osteoglossiformes: Osteoglossidae											
<i>Scleropages formosus</i>	T	live	17	499	MY (51.6%), ID (38.8%), SG (9.7%)	MY (48.4%), CN (42.6%), CN*** (3.3%), BR (2.9%), NZ (2.7%)	W (57.4%), R (42.6%)	EN (↓) (2019)	1975		ID, KH, MY, TH, VN

Output 3: No/minimal trade in Appendix I taxa (Table 4)

Key to Table 4 (Output 3 of the Annex of Resolution Conf. 14.8 (Rev. CoP19))

Taxon: All taxa that are only included under higher taxonomic listings (e.g. Pristidae spp.) were excluded. Species (or subspecies) that are listed in their own right but are also subject to a higher taxon listing were not excluded. Trade reported at a higher taxonomic level (i.e. above species level) and trade in hybrids were also excluded.

Trade summaries: number of trade records¹⁷ for a given Appendix I-listed taxon¹⁸ between 2013-2022, exporter-reported trade only, for (i) source codes C and D and (ii) all other source codes (including wild-source). The number of trade records for all other source codes (ii) was then disaggregated into wild sources (W, R, U, X and unreported) and all remaining source codes to enable further interpretation. '0' represents no trade records reported for the specified source codes. For a full list of source codes and their definitions see CITES Trade Database user guide¹⁹.

Red List status: EX = Extinct, EW = Extinct in the Wild, DD = Data Deficient, NE = Not Evaluated, LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered. 'NE' represents a taxon which has not yet been assessed at the global level.

Population trend in brackets: (→) = stable population trend; (↓) = decreasing population trend; (↑) = increasing population trend; (?) = unknown population trend.

IUCN year of assessment: in brackets, e.g. (2011).

Range States and Parties with reservations: included as ISO2 codes, see Appendix 1 for full country/territory names. Where no extant range States were listed in Species+, the extinct or possibly extinct range State(s) are listed with 'extinct' or 'extinct?' indicated in parentheses.

Year CITES listed: the year a given taxon was first listed in its current CITES Appendix, with the year first listed in CITES (if originally listed in a different Appendix) provided in parentheses.

¹⁷ A trade record was defined as a unique row of trade in a CITES annual trade report, forming all or part of a reported permit and with a quantity greater than zero.

¹⁸ A precautionary approach for split-listed taxa with no reported trade was applied.

¹⁹ https://trade.cites.org/cites_trade_guidelines/en-CITES_Trade_Database_Guide.pdf

Table 4. Output 3: Summary of **Appendix I** taxa for which there has been less than or equal to five trade records for both (i) sources C and D and (ii) all other sources (wild and 'other sources' combined), between 2013-2022. Species/subspecies included in higher taxon listings (e.g. Pristidae spp.) are not included. Trade data extracted from the CITES Trade Database on 12th April 2024. See Key on page 8.

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
Mammals							
Artiodactyla: Bovidae							
<i>Bubalus depressicornis</i>	0	0	0	EN (↓) (2014)	1975		ID
<i>Bubalus mindorensis</i>	0	0	0	CR (↓) (2016)	1975		PH
<i>Bubalus quarlesi</i>	0	0	0	EN (↓) (2016)	1975		ID
<i>Capricornis milneedwardsii</i>	0	0	0	VU (↓) (2020)	1975		CN, KH, LA, MM, TH, VN
<i>Capricornis rubidus</i>	0	0	0	VU (↓) (2020)	1975		MM
<i>Capricornis sumatraensis</i>	0	0	0	VU (↓) (2020)	1975		ID, MY, TH
<i>Hippotragus niger variani</i>	0	0	0	NE	1975		AO
<i>Naemohedus baileyi</i>	0	0	0	VU (↓) (2020)	1975		CN, IN, MM
<i>Naemohedus caudatus</i>	0	0	0	VU (↓) (2020)	1975		CN, KP, KR, RU
<i>Ovis hodgsoni</i>	0	0	0	NE	1975		CN, IN, NP
<i>Ovis nigrimontana</i>	0	0	0	NE	1997		KZ
<i>Pantholops hodgsonii</i>	0	0	0	NT (↑) (2016)	1979 (1975)		CN, IN, NP
Artiodactyla: Cervidae							
<i>Axis calamianensis</i>	0	0	0	EN (↓) (2014)	1975		PH
<i>Axis kuhlii</i>	0	0	0	CR (→) (2014)	1975		ID
<i>Blastocerus dichotomus</i>	1	1	0	VU (↓) (2016)	1975		AR, BO, BR, PE, PY
<i>Dama dama mesopotamica</i>	3	0	2	EN (↑) (2015)	1977		IL, IQ, IR
<i>Muntiacus vuquangensis</i>	0	0	0	CR (↓) (2015)	1995		KH, LA, VN
<i>Ozotoceros bezoarticus</i>	0	0	0	NT (↓) (2015)	1975		AR, BO, BR, PY, UY
<i>Pudu puda</i>	5	0	1	NT (↓) (2016)	1975		AR, CL
Artiodactyla: Suidae							
<i>Babyrousa bolabatuensis</i>	0	0	0	VU (↓) (2016)	1975		ID (extinct)
<i>Babyrousa celebensis</i>	2	0	3	VU (↓) (2016)	1975		ID
<i>Babyrousa togeanensis</i>	0	0	0	EN (↓) (2016)	1975		ID
<i>Sus salvanus</i>	0	0	0	EN (?) (2016)	1975		BT, IN
Carnivora: Mustelidae							
<i>Enhydra lutris nereis</i>	0	0	0	NE	1975		CA, MX, US
<i>Lutra nippon</i>	0	0	0	NT (↓) (2020)	1977		JP
Carnivora: Ursidae							

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
<i>Ursus arctos isabellinus</i>	5	4	1	NE	1979		AF, CN, IN, KG, KZ, MN, NP, PK, TJ, UZ
Cetacea: Iniidae							
<i>Lipotes vexillifer</i>	0	0	0	CR (↓) (2017)	1979		CN (extinct?)
Chiroptera: Pteropodidae							
<i>Acerodon jubatus</i>	0	0	0	EN (↓) (2016)	1995 (1990)		PH
<i>Pteropus insularis</i>	0	0	0	EN (↓) (2019)	1990 (1987)		FM
<i>Pteropus loochoensis</i>	0	0	0	DD (?) (2019)	1990 (1987)		JP
<i>Pteropus molossinus</i>	0	0	0	EN (→) (2019)	1990 (1987)		FM
<i>Pteropus pelewensis</i>	0	0	0	VU (→) (2019)	1990 (1987)		PW
<i>Pteropus pilosus</i>	0	0	0	EX (?) (2019)	1990 (1987)		PW (extinct)
<i>Pteropus samoensis</i>	0	0	0	NT (↓) (2019)	1990 (1987)		AS, FJ, WS
<i>Pteropus ualanus</i>	0	0	0	EN (→) (2019)	1990 (1987)		FM
<i>Pteropus yapensis</i>	0	0	0	VU (?) (2008)	1990 (1987)		FM
Cingulata: Dasypodidae							
<i>Priodontes maximus</i>	0	0	0	VU (↓) (2013)	1975		AR, BO, BR, CO, EC, GF, GY, PE, PY, SR, VE
Dasyuromorphia: Dasyuridae							
<i>Sminthopsis psammophila</i>	0	0	0	VU (↓) (2014)	1975		AU
Diprotodontia: Macropodidae							
<i>Lagorchestes hirsutus</i>	0	0	0	VU (→) (2012)	1975		AU
<i>Lagostrophus fasciatus</i>	0	0	0	VU (→) (2014)	1975		AU
<i>Onychogalea fraenata</i>	0	0	0	VU (→) (2016)	1975		AU
Diprotodontia: Vombatidae							
<i>Lasiorhinus krefftii</i>	0	0	0	CR (→) (2015)	1975		AU
Lagomorpha: Leporidae							
<i>Caprolagus hispidus</i>	0	0	0	EN (↓) (2018)	1975		BD, BT, IN, NP
Peramelemorphia: Peramelidae							
<i>Perameles bougainville</i>	0	0	0	VU (→) (2014)	1975		AU
Perissodactyla: Equidae							
<i>Equus hemionus khur</i>	0	0	0	NT (↑) (2015)	1975		IN, IR, PK
<i>Equus hemionus luteus</i>	0	0	0	NT (→) (2015)	1975		CN, KZ, MN, RU
Primates: Atelidae							
<i>Ateles geoffroyi frontatus</i>	0	0	0	NE	1975		CR, NI
<i>Ateles geoffroyi ornatus</i>	0	0	0	VU (↓) (2020)	1975		CR, NI, PA
<i>Brachyteles arachnoides</i>	0	0	0	CR (↓) (2019)	1975		BR
<i>Brachyteles hypoxanthus</i>	0	0	0	CR (↓) (2019)	1975		BR

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
Primates: Cebidae							
<i>Callithrix aurita</i>	3	0	1	EN (↓) (2015)	1977		BR
<i>Callithrix flaviceps</i>	0	0	0	CR (↓) (2019)	1977		BR
<i>Saguinus geoffroyi</i>	1	1	0	NT (↓) (2015)	1977		CO, CR, HN, PA
Primates: Cercopithecidae							
<i>Cercocebus galeritus</i>	0	0	0	CR (↓) (2019)	1975		KE
<i>Cercopithecus roloway</i>	0	0	0	CR (↓) (2019)	1981 (1976)		CI, GH
<i>Ptilocolobus rufomitratu</i>	0	0	0	CR (↓) (2019)	1975		KE
<i>Presbytis potenziani</i>	0	0	0	CR (↓) (2015)	1977		ID
<i>Semnopithecus ajax</i>	0	0	0	EN (↓) (2015)	1975		IN, NP, PK
<i>Semnopithecus hector</i>	0	0	0	NT (↓) (2015)	1975		BT, IN, NP
<i>Semnopithecus hypoleucos</i>	0	0	0	LC (↓) (2015)	1975		IN
<i>Simias concolor</i>	0	0	0	CR (↓) (2015)	1975		ID
<i>Trachypithecus geei</i>	0	0	0	EN (↓) (2015)	1975		BT, IN
<i>Trachypithecus shortridgei</i>	0	0	0	EN (↓) (2015)	1975		CN, MM
Primates: Hominidae							
<i>Pongo tapanuliensis</i>	0	0	0	CR (↓) (2017)	1975		ID
Primates: Pitheciidae							
<i>Chiropotes albinasus</i>	0	0	0	VU (↓) (2020)	1975		BR
Birds							
Anseriformes: Anatidae							
<i>Anas aucklandica</i>	0	0	0	NT (→) (2021)	1995 (1976)		NC, NZ
<i>Anas chlorotis</i>	0	0	0	NT (↑) (2020)	1995 (1975)		NZ
<i>Anas nesiotis</i>	0	0	0	VU (→) (2020)	1975		NZ
<i>Rhodonessa caryophyllacea</i>	0	0	0	CR (?) (2016)	1975		BD (extinct), IN (extinct), MM (extinct?), NP (extinct)
Apodiformes: Trochilidae							
<i>Glaucis dohrnii</i>	0	0	0	VU (↓) (2021)	1975		BR
Charadriiformes: Laridae							
<i>Larus relictus</i>	0	0	0	VU (↓) (2017)	1975		CN, CN*, JP, KR, KZ, MN, RU, VN
Charadriiformes: Scolopacidae							
<i>Tringa guttifer</i>	0	0	0	EN (↓) (2016)	1975		AU, BD, CN, CN*, CN***, GU, ID, IN, JP, KH, KP, KR, MM, MY, PH, RU, SG, TH, VN
Ciconiiformes: Ciconiidae							
<i>Ciconia boyciana</i>	4	2	3	EN (↓) (2018)	1975		BD, CN, CN*, CN***, IN, JP, KP, KR, MN, RU
<i>Mycteria cinerea</i>	0	0	0	EN (↓) (2023)	1987		ID, KH, MY, VN
Columbiformes: Columbidae							

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
<i>Ducula mindorensis</i>	0	0	0	EN (↓) (2016)	1975		PH
Coraciiformes: Bucerotidae							
<i>Aceros nipalensis</i>	0	0	0	VU (↓) (2020)	1992		BT, CN, IN, LA, MM, NP, TH, VN
<i>Rhinoplax vigil</i>	1	0	1	CR (↓) (2020)	1975		BN, ID, MM, MY, TH
<i>Rhyticeros subruficollis</i>	0	0	0	VU (↓) (2016)	1992		MM, MY, TH
Falconiformes: Cathartidae							
<i>Gymnogyps californianus</i>	1	0	5	CR (↑) (2020)	1975	SA	US
Falconiformes: Falconidae							
<i>Falco araeus</i>	0	0	0	VU (→) (2023)	1977 (1975)		SC
<i>Falco newtoni</i> ²⁰	0	0	0	LC (↑) (2016)	1995 (1975)		KM, MG, SC
<i>Falco punctatus</i>	1	5	0	EN (↓) (2023)	1977 (1975)	SA	MU
Galliformes: Cracidae							
<i>Mitu mitu</i>	0	0	0	EW (?) (2018)	1975		BR (extinct)
<i>Penelope albipennis</i>	0	0	0	EN (→) (2018)	1981		PE
<i>Pipile pipile</i>	0	0	0	CR (↑) (2020)	1975		TT
Galliformes: Megapodiidae							
<i>Macrocephalon maleo</i>	1	0	1	CR (↓) (2021)	1975		ID
Galliformes: Phasianidae							
<i>Lophophorus lhuysii</i>	0	0	0	VU (↓) (2022)	1975		CN
<i>Lophophorus sclateri</i>	0	0	0	LC (↓) (2023)	1975		CN, IN, MM
<i>Rheinardia ocellata</i>	0	0	0	CR (↓) (2021)	1987 (1986)		LA, MY, VN
<i>Tetraogallus caspius</i>	0	0	0	LC (↓) (2016)	1975		AM, AZ, GE, IQ, IR, TM, TR
<i>Tetraogallus tibetanus</i>	0	0	0	LC (→) (2016)	1975		AF, BT, CN, IN, MM, NP, TJ
<i>Tragopan melanocephalus</i>	0	0	0	VU (↓) (2016)	1975		CN, IN, NP, PK
Gruiformes: Gruidae							
<i>Antigone canadensis nesiotes</i>	0	0	0	NE	1975		CU
<i>Antigone canadensis pulla</i>	0	0	0	NE	1975		US
<i>Grus monacha</i>	0	0	0	VU (↑) (2016)	1975		CN, CN***, IN, JP, KP, KR, KZ, MN, RU
Gruiformes: Otidae							
<i>Ardeotis nigriceps</i>	0	0	0	CR (↓) (2018)	1979 (1975)		IN, NP, PK
Gruiformes: Rallidae							
<i>Hypotaenidia sylvestris</i>	0	0	0	EN (↑) (2022)	1975		AU
Gruiformes: Rhynchotidae							

²⁰ Only the population of the Seychelles (SC) are listed in Appendix I, all other populations are listed in Appendix II. No relevant trade was reported for either Appendix. See [Species+](#) for details of the listing.

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
<i>Rhynchoceros jubatus</i>	0	0	0	EN (↓) (2019)	1975		NC
Psittaciformes: Loridae							
<i>Vini ultramarina</i>	0	0	0	CR (→) (2018)	1997 (1981)		PF
Psittaciformes: Psittacidae							
<i>Amazona arausiaca</i>	0	0	0	VU (↑) (2021)	1981		DM
<i>Amazona guildingii</i>	1	0	2	VU (↑) (2020)	1975		VC
<i>Amazona imperialis</i>	0	0	0	CR (↓) (2021)	1975		DM
<i>Amazona vittata</i>	0	0	0	CR (↑) (2020)	1975		PR
<i>Cyanoramphus cookii</i>	0	0	0	LC (↓) (2018)	1977 (1975)		NF
<i>Cyanoramphus forbesi</i>	0	0	0	VU (→) (2022)	1975		NZ
<i>Cyanoramphus saisseti</i>	0	0	0	LC (↓) (2018)	1977 (1975)		NC
<i>Neophema chrysogaster</i>	0	0	0	CR (↓) (2018)	1975		AU
<i>Ognorhynchus icterotis</i>	0	0	0	VU (↑) (2020)	1983 (1981)		CO, EC
<i>Pezoporus flaviventris</i>	0	0	0	NE	1977		AU
<i>Pezoporus occidentalis</i>	0	0	0	CR (↓) (2021)	1975		AU
<i>Pezoporus wallicus</i>	0	0	0	LC (→) (2022)	1977		AU
<i>Psephotellus pulcherrimus</i>	0	0	0	EX (?) (2023)	1975		AU (extinct)
Strigiformes: Strigidae							
<i>Heteroglaux blewitti</i>	0	0	0	EN (↓) (2018)	1979		IN
<i>Mimizuku gurneyi</i>	0	0	0	VU (↓) (2016)	1975		PH
<i>Ninox natalis</i>	0	0	0	VU (→) (2022)	1977		CX
Strigiformes: Tytonidae							
<i>Tyto soumagnei</i>	0	0	0	VU (↓) (2023)	1977		MG
Tinamiformes: Tinamidae							
<i>Tinamus solitarius</i>	0	0	0	NT (↓) (2018)	1975		AR, BR, PY
Reptiles							
Crocodylia: Crocodylidae							
<i>Crocodylus cataphractus</i>	2	1	0	CR (↓) (2013)	1975		AO, BF, BI, BJ, CD, CF, CG, CI, CM, GA, GH, GM, GN, GQ, GW, LR, ML, MR, NG, SL, SN, TD, TG, TZ, ZM
<i>Crocodylus palustris</i>	4	0	1	VU (→) (2009)	1975		IN, IR, LK, MM, NP, PK
Crocodylia: Gavialidae							
<i>Gavialis gangeticus</i>	4	0	1	CR (↑) (2017)	1975		BD, BT, IN, NP, PK
Sauria: Chamaeleonidae							
<i>Brookesia perarmata</i>	0	0	0	EN (↓) (2011)	2003		MG
Sauria: Lacertidae							
<i>Gallotia simonyi</i>	0	0	0	CR (→) (2008)	1987		ES

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
Sauria: Varanidae							
<i>Varanus nebulosus</i>	0	0	0	NT (↓) (2018)	1975		ID, KH, LA, MM, MY, TH, VN
Serpentes: Boidae							
<i>Chilabothrus monensis</i>	0	0	0	NT (→) (2015)	1983 (1977)		PR, VG, VI
<i>Chilabothrus subflavus</i>	1	1	0	VU (↓) (2015)	1975		JM
Fish							
Cypriniformes: Catostomidae							
<i>Chasmistes cujus</i>	0	0	0	EN (↑) (2011)	1975		US
Cypriniformes: Cyprinidae							
<i>Probarbus jullieni</i>	0	0	0	CR (↓) (2019)	1975		KH, LA, MY, TH, VN
Osteoglossiformes: Osteoglossidae							
<i>Scleropages inscriptus</i>	0	0	0	DD (?) (2019)	1975		MM
Insects							
Unionoidea: Unionidae							
<i>Conradilla caelata</i>	0	0	0	CR (↓) (2012)	1975		US
<i>Dromus dromas</i>	0	0	0	CR (?) (1996)	1975		US
<i>Epioblasma curtisii</i>	0	0	0	CR (↓) (2000)	1975		US
<i>Epioblasma florentina</i>	0	0	0	NE	1975		US
<i>Epioblasma sulcata perobliqua</i>	0	0	0	CR (?) (2000)	1975		US
<i>Epioblasma torulosa gubernaculum</i> ²¹	0	0	0	CR (↓) (2012)	1975		US (extinct)
<i>Epioblasma torulosa torulosa</i> ²¹	0	0	0	CR (↓) (2012)	1975		US
<i>Epioblasma turgidula</i>	0	0	0	EX (?) (2000)	1975		US
<i>Epioblasma walkeri</i>	0	0	0	CR (?) (2000)	1975		US
<i>Fusconaia cuneolus</i>	0	0	0	EN (↓) (2012)	1975		US
<i>Fusconaia edgariana</i>	0	0	0	CR (↓) (2012)	1975		US
<i>Lampsilis higginsii</i>	0	0	0	EN (?) (1996)	1975		US
<i>Lampsilis orbiculata orbiculata</i>	0	0	0	NE	1975		US
<i>Lampsilis satur</i>	0	0	0	NT (?) (1996)	1975		US
<i>Lampsilis virescens</i>	0	0	0	CR (?) (1996)	1975		US
<i>Plethobasus cicatricosus</i>	0	0	0	CR (↓) (2011)	1975		US
<i>Plethobasus cooperianus</i>	0	0	0	CR (?) (1996)	1975		US
<i>Pleurobema plenum</i>	0	0	0	CR (?) (1996)	1975		US
<i>Potamilus capax</i>	0	0	0	VU (↓) (2012)	1975		US

²¹ According to the IUCN Red List, all subspecies of *Epioblasma torulosa* are thought to be extirpated except for *Epioblasma torulosa rangiana*. Taxon mapped to the Red List assessment for the species.

Taxon	Number of trade records			Red List status	Year CITES Listed	Parties with reservations	Range States
	Captive (C & D)	Wild	Other sources				
<i>Quadrula intermedia</i>	0	0	0	EN (↓) (2012)	1975		US
<i>Quadrula sparsa</i>	0	0	0	CR (?) (1996)	1975		US
<i>Toxolasma cylindrella</i>	0	0	0	CR (↓) (2012)	1975		US
<i>Unio tampicoensis tecomatensis</i>	0	0	0	NE	1975		MX
<i>Villosa trabalis</i>	0	0	0	CR (↓) (2000)	1975		US
Lepidoptera: Papilionidae							
<i>Achillides chikae chikae</i>	0	0	0	EN (?) (1996)	1987		PH
<i>Ornithoptera alexandrae</i>	0	0	0	EN (?) (2018)	1987 (1977)		PG
<i>Papilio homerus</i>	0	0	0	EN (?) (1996)	1987		JM

Output 4: No/minimal trade in Appendix II taxa (Table 5)

Key to Table 5 (Output 4 of the Annex of Resolution Conf. 14.8 (Rev. CoP19))

Taxon: All taxa that are only included under higher taxonomic listings (e.g. Felidae spp.) were excluded. Species (or subspecies) that are listed in their own right but are also subject to a higher taxon listing were not excluded. Trade reported at a higher taxonomic level (i.e. above species level) and trade in hybrids were also excluded.

Trade summaries: number of trade records²² for a given Appendix II-listed taxa between 2013-2022, exporter-reported trade only, for (i) source codes C and D and (ii) all other source codes (including wild-source). The number of trade records for all other source codes (ii) was then disaggregated into wild sources (W, R, U, X and unreported) and all remaining source codes to enable further interpretation. '0' represents no trade records reported for the specified source codes. For a full list of source codes and their definitions see the CITES Trade Database user guide²³.

Red List status: EX = Extinct, EW = Extinct in the Wild, DD = Data Deficient, NE = Not Evaluated, LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered. 'NE' represents a taxon which has not yet been assessed at the global level.

Population trend in brackets: (→) = stable population trend; (↓) = decreasing population trend; (↑) = increasing population trend; (?) = unknown population trend.

IUCN year of assessment: in brackets, e.g. (2011).

Range States and Parties with reservations: included as ISO2 codes, see Appendix 1 for full country/territory names. Where no extant range States were listed in Species+, the extinct or possibly extinct range State(s) are listed with 'extinct' or 'extinct?' indicated in parentheses. No taxa in the output have any Parties with reservations, consequently this column is not reported.

Year CITES listed: the year a given taxon was first listed in its current CITES Appendix, with the year first listed in CITES (if originally listed in a different Appendix) provided in parentheses.

²² A trade record was defined as a unique row of trade in a CITES annual trade report, forming all or part of a reported permit and with a quantity greater than zero.

²³ https://trade.cites.org/cites_trade_guidelines/en-CITES_Trade_Database_Guide.pdf

Table 5. Output 4: Summary of **Appendix II** taxa for which there has been less than or equal to five trade records for both (i) sources C and D and (ii) all other sources (wild and 'other sources' combined), between 2013-2022. Species/subspecies included in higher taxon listings (e.g. Felidae spp.) are not included. Trade data extracted from the CITES Trade Database on 12th April 2024. See Key on page 16.

Taxon	Number of trade records			Red List status	Year CITES Listed	Range States
	Captive (C & D)	Wild	Other sources			
Mammals						
Artiodactyla: Bovidae						
<i>Cephalophus brookei</i>	0	0	0	NE	1983	CI, GH, LR, SL
<i>Ovis arabica</i>	0	0	0	NE	2000	OM, SA
<i>Ovis collium</i>	0	0	0	NE	1975	CN, KZ
<i>Ovis jubata</i>	0	0	0	NE	1975	CN (extinct), MN (extinct)
<i>Ovis karelini</i>	0	0	0	NE	1975	CN, KG, KZ, UZ
Artiodactyla: Cervidae						
<i>Pudu mephistophiles</i>	0	0	0	DD (↓) (2018)	1975	CO, EC, PE
Carnivora: Canidae						
<i>Lycalopex fulvipes</i>	0	0	0	EN (↓) (2016)	1979	CL
<i>Vulpes cana</i>	0	0	0	LC (→) (2015)	1977	AE, AF, EG, IL, IR, JO, OM, PK, SA, TJ, TM, UZ, YE
Carnivora: Viverridae						
<i>Cynogale bennettii</i>	0	0	0	EN (↓) (2015)	1975	BN, CN, ID, MY, TH, VN
<i>Prionodon linsang</i>	0	0	0	LC (↓) (2015)	1975	BN, ID, MM, MY, TH
Cingulata: Dasypodidae						
<i>Chaetophractus nationi</i>	0	0	0	LC (→) (2016)	1997	AR, BO, CL, PE
Diprotodontia: Macropodidae						
<i>Dendrolagus inustus</i>	0	0	0	VU (↓) (2016)	1975	ID, PG
<i>Dendrolagus ursinus</i>	0	0	0	VU (↓) (2015)	1975	ID
Diprotodontia: Phalangeridae						
<i>Phalanger mimicus</i>	0	0	0	LC (↓) (2016)	1979	AU, ID, PG
<i>Spilocuscus kraemeri</i>	0	0	0	NT (↓) (2016)	1979	PG
<i>Spilocuscus papuensis</i>	0	0	0	VU (?) (2015)	1979	ID
Perissodactyla: Equidae						
<i>Equus kiang</i>	1	1	0	LC (→) (2015)	1975	CN, IN, NP, PK
Pilosa: Bradypodidae						
<i>Bradypus pygmaeus</i>	0	0	0	CR (↓) (2022)	1975	PA
Birds						
Ciconiiformes: Threskiornithidae						
<i>Geronticus calvus</i>	3	1	0	VU (↓) (2016)	1975	LS, SZ, ZA
Galliformes: Phasianidae						
<i>Polyplectron schleiermachersi</i>	0	0	0	EN (↓) (2016)	1975	ID, MY
<i>Tympanuchus cupido attwateri</i>	0	0	0		2013 (1975)	US
Reptiles						
Sauria: Teiidae						
<i>Crocodylurus amazonicus</i>	1	1	2	LC (?) (2014)	1977	BR, CO, GF, PE, VE
Serpentes: Colubridae						

Taxon	Number of trade records			Red List status	Year CITES Listed	Range States
	Captive (C & D)	Wild	Other sources			
<i>Elachistodon westermanni</i>	0	0	0	LC (?) (2011)	1975	BD, IN, NP
Serpentes: Elapidae						
<i>Naja mandalayensis</i>	0	0	0	VU (↓) (2011)	1990	MM
<i>Naja oxiana</i>	2	0	2	NT (↓) (2016)	1990 (1984)	AF, IN, IR, KG, PK, TJ, TM, UZ
<i>Naja sagittifera</i>	0	0	0	EN (↓) (2019)	1990	IN
<i>Naja siamensis</i>	3	0	2	VU (↓) (2011)	1990	KH, LA, MM, TH, VN
Insects						
Mytiloidea: Mytilidae						
<i>Lithophaga lithophaga</i>	0	0	0	NE	2005	AL, AO, BA, CY, DZ, EG, EH, ES, FR, GM, GR, HR, IL, IT, LB, LY, MA, MC, ME, MR, MT, PT, SI, SN, SY, TN, TR
Unionoidea: Unionidae						
<i>Cyprogenia aberti</i>	0	0	0	DD (↓) (2012)	1975	US
<i>Epioblasma torulosa rangiana</i> ²⁴	0	0	0	CR (?) (2000)	1975	CA, US
<i>Pleurobema clava</i>	0	0	0	CR (?) (1996)	1975	US
Coleoptera: Scarabaeidae						
<i>Dynastes satanas</i>	0	0	0	NE	2010	BO
Lepidoptera: Papilionidae						
<i>Atrophaneura jophon</i>	0	0	0	EN (?) (2019)	2003	LK
<i>Atrophaneura pandiyana</i>	0	0	0	LC (?) (2019)	2003	IN
Araneae: Theraphosidae						
<i>Sericopelma angustum</i>	0	0	0	DD (?) (2018)	1995	CR
<i>Sericopelma embrithes</i>	0	0	0	DD (?) (2018)	1995	PA
Scorpiones: Scorpionidae						
<i>Pandinus camerounensis</i>	0	0	0	NE	1995	CM
<i>Pandinus gambiensis</i>	0	0	0	NE	1995	GM, SN
<i>Pandinus roeseli</i>	0	0	0	NE	1995	GN

²⁴ Taxon mapped to species-level Red List assessment

Appendix 1: ISO codes and country and territory names

Code	Name
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Åland Islands
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Saint Barthélemy
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia, Plurinational State of
BQ	Bonaire, Sint Eustatius and Saba
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada

Code	Name
CC	Cocos (Keeling) Islands
CD	Democratic Republic of the Congo
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CN*	Hong Kong SAR of China
CN**	Macao SAR of China
CN***	Taiwan, Province of China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cabo Verde
CW	Curaçao
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji

Code	Name
FK	Falkland Islands (Malvinas) ²⁵
FM	Micronesia, Federated States of
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom of Great Britain and Northern Ireland
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
HS ²⁶	Introduction from the sea
ID	Indonesia
IE	Ireland
IL	Israel
IM	Isle of Man
IN	India
IQ	Iraq
IR	Iran, Islamic Republic of
IS	Iceland

Code	Name
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts and Nevis
KP	Democratic People's Republic of Korea
KR	Republic of Korea
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Republic of Moldova
ME	Montenegro
MF	Saint Martin
MG	Madagascar
MH	Marshall Islands
MK	North Macedonia
ML	Mali
MM	Myanmar

²⁵ A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Islas Malvinas).

²⁶ Non-ISO code

Code	Name
MN	Mongolia
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion

Code	Name
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena, Ascension and Tristan da Cunha
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
SS	South Sudan
ST	Sao Tome and Principe
SV	El Salvador
SX	Sint Maarten
SY	Syrian Arab Republic
SZ	Eswatini
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor-Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Türkiye
TT	Trinidad and Tobago
TV	Tuvalu
TZ	United Republic of Tanzania

Code	Name
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VA	Holy See
VC	Saint Vincent and the Grenadines
VE	Venezuela, Bolivarian Republic of
VG	Virgin Islands, British
VI	Virgin Islands, United States
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna Islands
WS	Samoa
XV ²⁷	Various
XX ²⁵	Unknown
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

²⁷ Non-ISO code