

PAPUA NEW GUINEA – Country Data Dossier for Reducing Risk of Extinction Summary Sheet

Summary Table of Threatened Species Identified by the IUCN Red List

Mammals	Birds	Reptiles*	Amphibians	Fishes*	Molluscs*	Other Inverts*	Plants*
39	38	9	11	49	2	179	151

Amphibian, Mammal, Plant*, and Reptile* Threatened Species Identified by the IUCN Red List

In Papua New Guinea:

- Out of 266 amphibian species, 11 are threatened or extinct
- Out of 269 mammal species, 41 are threatened or extinct
- Out of 531 plant species, 151 are threatened or extinct
- Out of 238 reptile species, 10 are threatened or extinct

List of Threatened Species Identified by the IUCN Red List

Papua New Guinea has:

- 1 Critically Endangered (CR) amphibian species: *Choerophryne siegfriedi*
- 11 Critically Endangered (CR) mammal species: *Aproteles bulmerae*, *Dendrolagus pulcherrimus*, *Dendrolagus scottae*, *Dorcopsis atrata*, *Petaurus abidi*, *Phalanger matanim*, *Pharotis Imogene*, *Pteralopex flanneryi*, *Solomys ponceleti*, *Spilococcus rufoniger*, *Zaglossus bartoni*
- 17 Critically Endangered (CR) plant* species: *Aglaia mackiana*, *Bruguiera hainesii*, *Calophyllum acutiputamen*, *Diospyros benstonei*, *Diospyros lolinopsis*, *Guioa grandifoliola*, *Guioa hospital*, *Halfordia papuana*, *Helicia peltata*, *Helicia polyosmoides*, *Helicia subcordata*, *Hopea inexpectata*, *Madhuca boerlageana*, *Nothofagus nuda*, *Paphiopedilum bougainvilleanum*, *Paphiopedilum wentworthianum*, *Schistochila undulatifolia*
- 1 Critically Endangered (CR) reptile* species: *Eretmochelys imbricate*.

List of Bird Threatened Species

- Papua New Guinea has 1 Critically Endangered (CR) bird species: *Pseudobulweria becki*.

List of Critically Endangered Endemic Species

- Out of 1 Critically Endangered (CR) amphibian species, Papua New Guinea has 1 endemic amphibian species: *Choerophryne siegfriedi*
- Out of 11 Critically Endangered (CR) mammal species, Papua New Guinea has 6 endemic mammal species: *Aproteles bulmerae*, *Pharotis Imogene*, *Dendrolagus scottae*, *Dorcopsis atrata*, *Petaurus abidi*, *Phalanger matanim*
- Out of 1 Critically Endangered (CR) reptile species, Papua New Guinea has 0 endemic reptile species
- Out of 17 Critically Endangered (CR) plant species, Papua New Guinea has 15 endemic plant species: *Schistochila undulatifolia*, *Paphiopedilum bougainvilleanum*, *Paphiopedilum wentworthianum*, *Diospyros benstonei*, *Diospyros lolinopsis*, *Nothofagus nuda*, *Helicia peltata*, *Helicia polyosmoides*, *Helicia subcordata*, *Aglaia mackiana*, *Halfordia papuana*, *Guioa grandifoliola*, *Guioa hospital*, *Hopea inexpectata*, *Calophyllum acutiputamen*
- Out of 1 Critically Endangered (CR) bird species, Papua New Guinea has 0 endemic bird species

*Reptiles, fishes, molluscs, other invertebrates and plants: please note that for these groups, there are still many species that have not yet been assessed by the IUCN Red List and therefore, their status is not known. The figures presented for these groups should be interpreted as the number of species known to be threatened within those species that have been assessed to date, and not as the overall total number of threatened species for each group.

PAPUA NEW GUINEA – Summary Table of Threatened Species Identified by the IUCN Red List, Amphibian, Mammal, Plant, and Reptile Threatened Species Identified by the IUCN Red List, List of Threatened Species Identified by the IUCN Red List, Bird Threatened Species, List of Threatened Bird Species, Species Protection Statistics (All PAs), and Critically Endangered Endemic Species

Summary Table of Threatened Speciesⁱ Identified by the IUCN Red List²

Mammals	Birds	Reptiles*	Amphibians	Fishes*	Molluscs*	Other Inverts*	Plants*
39	38	9	11	49	2	179	151

Amphibian, Mammal, Plant*, and Reptile* Threatened Species Identified by the IUCN Red List

In Papua New Guinea:

- Out of 266 amphibian species, 11 are threatened or extinct ³
- Out of 269 mammal species, 41 are threatened or extinct ⁴
- Out of 531 plant species, 151 are threatened or extinct ⁵
- Out of 238 reptile species, 10 are threatened or extinct

² IUCN 2015. *The IUCN Red List of Threatened Species. Version 2015.1.*

http://cmsdocs.s3.amazonaws.com/summarystats/2015_2_Summary_Stats_Page_Documents/2015_2_RL_Stats_Table_5.pdf. Accessed on 11 April 2016.

³ IUCN 2015. *The IUCN Red List of Threatened Species. Version 2015.1.* <http://www.iucnredlist.org>. As available on 1 June 2015.

⁴ Ibid.

⁵ IUCN 2015. *The IUCN Red List of Threatened Species. Version 2015.1.*

http://cmsdocs.s3.amazonaws.com/summarystats/2015_2_Summary_Stats_Page_Documents/2015_2_RL_Stats_Table_6b.pdf. Accessed on 11 April 2016.

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Class	Total number of native species (incl. EX)	Number of native endemics	% of species that are endemic	Number of Threatened species (CR+EN+VU)	% threatened or extinct	Threatened endemics	Critically Endangered species (CR)	Endangered species (EN)	Vulnerable species (VU)
Amphibian	266	187	70	11	4	9	1	0	10
Mammal	269	73	27	41	15	24	11	18	12
Plant*	531	-	-	151	28	-	17	18	116
Reptile*	238	-	-	10	4	-	1	3	6

List of Threatened Speciesⁱⁱ Identified by the IUCN Red List^{6 7}

Papua New Guinea has:

- 1 Critically Endangered (CR) amphibian species
- 11 Critically Endangered (CR) mammal species
- 17 Critically Endangered (CR) plant* species
- 1 Critically Endangered (CR) reptile* species

Legend

In **red**: Critically Endangered (CR) species

In **blue**: Endangered (EN) species

In **black**: Vulnerable (VU) species

⁶ IUCN 2015. *The IUCN Red List of Threatened Species. Version 2015.1.* www.iucnredlist.org. Accessed on 11 April 2016.

⁷ There might be discrepancies between Section 1: *Summary Table of Threatened Species Identified by the IUCN Red List*, Section 2: *Amphibian, Mammal, Plant and Reptile Threatened Species Identified by the IUCN Red List* and Section 3: *List of Threatened Species Identified by the IUCN Red List*. Information used in the tables in sections 1 and 2 was published on 1 June 2015 whereas information used in section 3 is from the IUCN Red List Online database, which is updated on a regular basis.

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Amphibians (Class)

Phylum: Chordata, Kingdom: Animalia

Species ID	Order	Family	Genus	Species	Red List status	Red List criteria	Red List criteria version	Year assessed	Population trend
57696	ANURA	MICROHYLIDAE	<i>Austrochaperina</i>	<i>novaebritanniae</i>	VU	B1ab(iii)	3.1	2004	decreasing
57668	ANURA	MICROHYLIDAE	<i>Choerophryne</i>	<i>siegfriedi</i>	CR	B1ab(iii)	3.1	2004	decreasing
57781	ANURA	MICROHYLIDAE	<i>Cophixalus</i>	<i>nubicola</i>	VU	D2	3.1	2004	unknown
57796	ANURA	MICROHYLIDAE	<i>Copiula</i>	<i>minor</i>	VU	D2	3.1	2004	unknown
58449	ANURA	CERATOBATRACHIDAE	<i>Cornufer</i>	<i>akarithymus</i>	VU	B1ab(iii)	3.1	2004	decreasing
58475	ANURA	CERATOBATRACHIDAE	<i>Cornufer</i>	<i>parkeri</i>	VU	D2	3.1	2004	unknown
136159	ANURA	RANIDAE	<i>Hylarana</i>	<i>waliesa</i>	VU	B2ab(iii)	3.1	2008	decreasing
55710	ANURA	HYLIDAE	<i>Litoria</i>	<i>becki</i>	VU	D2	3.1	2004	unknown
55733	ANURA	HYLIDAE	<i>Litoria</i>	<i>lutea</i>	VU	B1ab(iii)	3.1	2004	decreasing
55766	ANURA	HYLIDAE	<i>Nyctimystes</i>	<i>avocalis</i>	VU	D2	3.1	2004	unknown
58446	ANURA	CERATOBATRACHIDAE	<i>Palmatorappia</i>	<i>solomonis</i>	VU	B1ab(iii)	3.1	2004	decreasing

Mammals (Class)

Phylum: Chordata, Kingdom: Animalia

Species ID	Order	Family	Genus	Species	Red List status	Red List criteria	Red List criteria version	Year assessed	Population trend
1933	CHIROPTERA	PTEROPODIDAE	<i>Aproteles</i>	<i>bulmerae</i>	CR	B2ab(v); C2a(ii)	3.1	2008	decreasing
6224	DIPROTODONTIA	PETAURIDAE	<i>Dactylopsila</i>	<i>tatei</i>	EN	B1ab(iii)	3.1	2008	unknown
6427	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>dorianus</i>	VU	A3cd	3.1	2008	decreasing
6429	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>goodfellowi</i>	EN	A2cd	3.1	2008	decreasing
6431	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>inustus</i>	VU	A4cd	3.1	2008	decreasing
6433	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>matschiei</i>	EN	C2a(ii)	3.1	2008	decreasing

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136732	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>notatus</i>	EN	A2cd	3.1	2008	decreasing
136696	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>pulcherrimus</i>	CR	A2cd; B1ab (i,ii,iii,iv,v); C1	3.1	2008	decreasing
6435	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>scottae</i>	CR	A4cd	3.1	2008	decreasing
136812	DIPROTODONTIA	MACROPODIDAE	<i>Dendrolagus</i>	<i>stellarum</i>	VU	A2cd	3.1	2008	decreasing
6794	DIPROTODONTIA	MACROPODIDAE	<i>Dorcopsis</i>	<i>atrata</i>	CR	B1ab(i,iii)	3.1	2008	decreasing
6799	DIPROTODONTIA	MACROPODIDAE	<i>Dorcopsis</i>	<i>luctuosa</i>	VU	A4cd	3.1	2008	decreasing
6909	SIRENIA	DUGONGIDAE	<i>Dugong</i>	<i>dugon</i>	VU	A2bcd+4bcd	3.1	2015	decreasing
7017	PERAMELEMORPHIA	PERAMELIDAE	<i>Echymipera</i>	<i>davidi</i>	EN	B1ab(iii)+2ab(iii)	3.1	2008	unknown
136522	RODENTIA	MURIDAE	<i>Melomys</i>	<i>matambuai</i>	EN	B1ab(i,ii,iii)	3.1	2008	decreasing
13931	DASYUROMORPHIA	DASYURIDAE	<i>Murexia</i>	<i>rothschildi</i>	VU	B1ab(iii)	3.1	2008	unknown
16121	RODENTIA	MURIDAE	<i>Paraleptomys</i>	<i>rufilatus</i>	EN	B1ab(iii,v)	3.1	2008	unknown
136701	RODENTIA	MURIDAE	<i>Paramelomys</i>	<i>gressitti</i>	EN	B1ab(iii)	3.1	2008	unknown
16710	PERAMELEMORPHIA	PERAMELIDAE	<i>Peroryctes</i>	<i>broadbenti</i>	EN	A4cd	3.1	2008	decreasing
16726	DIPROTODONTIA	PETAURIDAE	<i>Petaurus</i>	<i>abidi</i>	CR	B1ab(iii,v)	3.1	2008	decreasing
16846	DIPROTODONTIA	PHALANGERIDAE	<i>Phalanger</i>	<i>lullulae</i>	EN	B1ab(iii)	3.1	2008	stable
16851	DIPROTODONTIA	PHALANGERIDAE	<i>Phalanger</i>	<i>matanim</i>	CR	D	3.1	2008	unknown
16887	CHIROPTERA	VESPERTILIONIDAE	<i>Pharotis</i>	<i>imogene</i>	CR	B1ab(i,ii,iii); D	3.1	2008	unknown
41755	CETARTIODACTYLA	PHYSETERIDAE	<i>Physeter</i>	<i>macrocephalus</i>	VU	A1d	3.1	2008	unknown
136763	RODENTIA	MURIDAE	<i>Pogonomys</i>	<i>fergussoniensis</i>	EN	B1ab(iii,v)	3.1	2008	decreasing
18656	CHIROPTERA	PTEROPODIDAE	<i>Pteralopex</i>	<i>anceps</i>	EN	B1ab(i,ii,iii,v)	3.1	2008	decreasing
136587	CHIROPTERA	PTEROPODIDAE	<i>Pteralopex</i>	<i>flanneryi</i>	CR	A2cd	3.1	2008	decreasing
18736	CHIROPTERA	PTEROPODIDAE	<i>Pteropus</i>	<i>mahaganus</i>	VU	B1ab(iii)	3.1	2008	decreasing
20760	RODENTIA	MURIDAE	<i>Rattus</i>	<i>vandeuseni</i>	EN	B1ab(iii)	3.1	2008	decreasing
20333	RODENTIA	MURIDAE	<i>Solomys</i>	<i>ponceleti</i>	CR	A2cd	3.1	2008	decreasing
20335	RODENTIA	MURIDAE	<i>Solomys</i>	<i>salebrosus</i>	EN	A4c	3.1	2008	decreasing
20639	DIPROTODONTIA	PHALANGERIDAE	<i>Spilocuscus</i>	<i>rufoniger</i>	CR	A4cd	3.1	2008	decreasing
21183	CHIROPTERA	PTEROPODIDAE	<i>Syconycteris</i>	<i>hobbit</i>	VU	B1ab(iii)	3.1	2008	decreasing

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21874	DIPROTODONTIA	MACROPODIDAE	<i>Thylogale</i>	<i>browni</i>	VU	A2d	3.1	2008	decreasing
21870	DIPROTODONTIA	MACROPODIDAE	<i>Thylogale</i>	<i>brunii</i>	VU	A4d	3.1	2008	decreasing
21873	DIPROTODONTIA	MACROPODIDAE	<i>Thylogale</i>	<i>calabyi</i>	EN	B1ab(iii,v)+2ab(iii,v)	3.1	2008	decreasing
136255	DIPROTODONTIA	MACROPODIDAE	<i>Thylogale</i>	<i>lanatus</i>	EN	B1ab(v)	3.1	2008	decreasing
23141	RODENTIA	MURIDAE	<i>Xeromys</i>	<i>myoides</i>	VU	B2ab(ii,iii)	3.1	2008	decreasing
136552	MONOTREMATA	TACHYGLOSSIDAE	<i>Zaglossus</i>	<i>bartoni</i>	CR	A2acd	3.1	2008	decreasing

Plants*(Kingdom)

Species ID	Phylum	Class	Order	Family	Genus	Species	Red List status	Red List criteria	Red List criteria version	Year assessed	Population trend
38417	TRACHEOPHYTA	MAGNOLIOPSIDA	SAPINDALES	MELIACEAE	<i>Aglaia</i>	<i>mackiana</i>	CR	D	2.3	1998	N/A
178834	TRACHEOPHYTA	MAGNOLIOPSIDA	RHIZOPHORALES	RHIZOPHORACEAE	<i>Bruguiera</i>	<i>hainesii</i>	CR	C1	3.1	2010	decreasing
37574	TRACHEOPHYTA	MAGNOLIOPSIDA	THEALES	GUTTIFERAE	<i>Calophyllum</i>	<i>acutiputamen</i>	CR	B1+2abcde	2.3	1998	N/A
38344	TRACHEOPHYTA	MAGNOLIOPSIDA	EBENALES	EBENACEAE	<i>Diospyros</i>	<i>benstonei</i>	CR	C2b	2.3	1998	N/A
38352	TRACHEOPHYTA	MAGNOLIOPSIDA	EBENALES	EBENACEAE	<i>Diospyros</i>	<i>lolinopsis</i>	CR	B1+2c, C2b	2.3	1998	N/A
37354	TRACHEOPHYTA	MAGNOLIOPSIDA	SAPINDALES	SAPINDACEAE	<i>Guioa</i>	<i>grandifoliola</i>	CR	B1+2c	2.3	1998	N/A
37355	TRACHEOPHYTA	MAGNOLIOPSIDA	SAPINDALES	SAPINDACEAE	<i>Guioa</i>	<i>hospita</i>	CR	D	2.3	1998	N/A
38151	TRACHEOPHYTA	MAGNOLIOPSIDA	SAPINDALES	RUTACEAE	<i>Halfordia</i>	<i>papuana</i>	CR	C2a	2.3	1998	N/A
32936	TRACHEOPHYTA	MAGNOLIOPSIDA	PROTEALES	PROTEACEAE	<i>Helicia</i>	<i>peltata</i>	CR	B1+2abcde	2.3	1998	N/A

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37609	TRACHEOPHYTA	MAGNOLIOPSIDA	PROTEALES	PROTEACEAE	<i>Helicia</i>	<i>polyosmoides</i>	CR	B1+2abcde	2.3	1998	N/A
37614	TRACHEOPHYTA	MAGNOLIOPSIDA	PROTEALES	PROTEACEAE	<i>Helicia</i>	<i>subcordata</i>	CR	B1+2abcde	2.3	1998	N/A
33389	TRACHEOPHYTA	MAGNOLIOPSIDA	THEALES	DIPTEROCARPACEAE	<i>Hopea</i>	<i>inexpectata</i>	CR	A1cd, B1+2c	2.3	1998	N/A
38165	TRACHEOPHYTA	MAGNOLIOPSIDA	EBENALES	SAPOTACEAE	<i>Madhuca</i>	<i>boerlageana</i>	CR	A1cd, C2ab, D	2.3	1998	N/A
37490	TRACHEOPHYTA	MAGNOLIOPSIDA	FAGALES	FAGACEAE	<i>Nothofagus</i>	<i>nuda</i>	CR	D	2.3	1998	N/A
43320135	TRACHEOPHYTA	LILIOPSIDA	ORCHIDALES	ORCHIDACEAE	<i>Paphiopedilum</i>	<i>bougainvilleanum</i>	CR	A2acd+3cd+4acd; B1ab(ii,iii,v)+2ab(ii,iii,v); C1+2a(i,ii); D	3.1	2015	decreasing
43323225	TRACHEOPHYTA	LILIOPSIDA	ORCHIDALES	ORCHIDACEAE	<i>Paphiopedilum</i>	<i>wentworthianum</i>	CR	A2acd+3cd+4acd; C1+2a(i)	3.1	2015	decreasing
39214	MARCHANTIOPHYTA	JUNGERMANNIOPSIDA	JUNGERMANNIALES	SCHISTOCHILACEAE	<i>Schistochila</i>	<i>undulatifolia</i>	CR	B1+2c	2.3	2000	unknown

Reptiles* (Class)

Phylum: Chordata, Kingdom: Animalia

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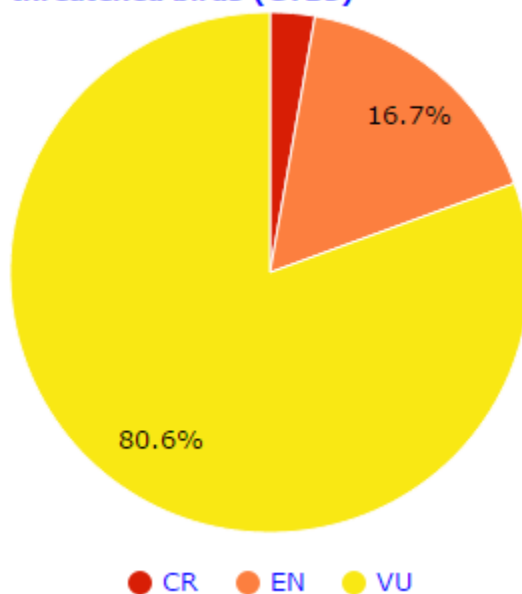
Species ID	Order	Family	Genus	Species	Red List status	Red List criteria	Red List criteria version	Year assessed	Population trend
3897	TESTUDINES	CHELONIIDAE	<i>Caretta</i>	<i>caretta</i>	VU	A2b	3.1	2015	decreasing
3898	TESTUDINES	CARETTOCHELYIDAE	<i>Carettochelys</i>	<i>insculpta</i>	VU	A1bd	2.3	2000	N/A
4608	TESTUDINES	CHELIDAE	<i>Chelodina</i>	<i>parkeri</i>	VU	D2	2.3	2000	N/A
4609	TESTUDINES	CHELIDAE	<i>Chelodina</i>	<i>pritchardi</i>	EN	B1+2e	2.3	2000	N/A
4615	TESTUDINES	CHELONIIDAE	<i>Chelonia</i>	<i>mydas</i>	EN	A2bd	3.1	2004	decreasing
6494	TESTUDINES	DERMOCHELYIDAE	<i>Dermochelys</i>	<i>coriacea</i>	VU	A2bd	3.1	2013	decreasing
8005	TESTUDINES	CHELONIIDAE	<i>Eretmochelys</i>	<i>imbricata</i>	CR	A2bd	3.1	2008	decreasing
11534	TESTUDINES	CHELONIIDAE	<i>Lepidochelys</i>	<i>olivacea</i>	VU	A2bd	3.1	2008	decreasing
16503	TESTUDINES	TRIONYCHIDAE	<i>Pelochelys</i>	<i>bibroni</i>	VU	A1cd+2cd	2.3	2000	N/A
16502	TESTUDINES	TRIONYCHIDAE	<i>Pelochelys</i>	<i>cantorii</i>	EN	A1cd+2cd	2.3	2000	N/A

Bird Threatened Species⁸

In Papua New Guinea, 6% of bird species are threatened.

Total number of species	Number of Threatened species (CR+EN+VU)	% threatened	Critically Endangered species (CR)	Endangered species (EN)	Vulnerable species (VU)
717	36	6	1	6	29

IUCN Red List status for globally threatened birds (GTBs)



List of Bird Threatened Species⁹

Papua New Guinea has 1 Critically Endangered (CR) bird species.

Legend

In **red**: Critically Endangered (CR) species

In **blue**: Endangered (EN) species

In **black**: Vulnerable (VU) species

⁸ BirdLife International. (2015) Country profile: Papua New Guinea. <http://www.birdlife.org/datazone/country>. Accessed on 11 April 2016.

⁹ Ibid.

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Species ID	Species	Common Name	Category
4	<i>Casuarius casuarius</i>	Southern Cassowary	VU
6	<i>Casuarius unappendiculatus</i>	Northern Cassowary	VU
423	<i>Salvadorina waigiensis</i>	Salvadori's Teal	VU
1071	<i>Ceyx websteri</i>	Bismarck Kingfisher	VU
1447	<i>Psittichas fulgidus</i>	Pesquet's Parrot	VU
2150	<i>Tyto aurantia</i>	Golden Masked-owl	VU
2324	<i>Nesasio solomonensis</i>	Fearful Owl	VU
2474	<i>Columba pallidiceps</i>	Yellow-legged Pigeon	VU
2537	<i>Henicophaps foersteri</i>	New Britain Bronzewing	VU
3333	<i>Henicopernis infuscatus</i>	Black Honey-buzzard	VU
3360	<i>Haliaeetus sanfordi</i>	Sanford's Sea-eagle	VU
3438	<i>Accipiter luteoschistaceus</i>	Slaty-backed Goshawk	VU
3439	<i>Accipiter imitator</i>	Imitator Goshawk	VU
3441	<i>Accipiter princeps</i>	New Britain Goshawk	VU
3451	<i>Accipiter brachyurus</i>	New Britain Sparrowhawk	VU
3527	<i>Harpyopsis novaeguineae</i>	Papuan Eagle	VU
4007	<i>Pitta superba</i>	Superb Pitta	EN
4024	<i>Pitta anerythra</i>	Black-faced Pitta	VU
5339	<i>Melidectes princeps</i>	Long-bearded Melidectes	VU
5806	<i>Macgregoria pulchra</i>	Ochre-winged Honeyeater	VU
5816	<i>Epimachus fastuosus</i>	Black Sicklebill	VU
5844	<i>Paradisaea decora</i>	Goldie's Bird-of-paradise	VU
5846	<i>Paradisaea rudolphi</i>	Blue Bird-of-paradise	VU
6024	<i>Rhipidura semirubra</i>	Manus Fantail	VU
6755	<i>Aplonis brunneicapillus</i>	White-eyed Starling	EN
7759	<i>Megalurus albolimbatus</i>	Fly River Grassbird	VU
7768	<i>Megalurulus grosvenori</i>	Bismarck Thicketbird	VU
30025	<i>Cacatua ophthalmica</i>	Blue-eyed Cockatoo	VU
3947	<i>Puffinus heinrothi</i>	Heinroth's Shearwater	VU
3040	<i>Calidris tenuirostris</i>	Great Knot	EN
2312	<i>Ninox odiosa</i>	New Britain Boobook	VU
1016653	<i>Otidiphaps insularis</i>	Black-naped Pheasant-pigeon	EN
1016664	<i>Actenoides bougainvillei</i>	Bougainville Moustached Kingfisher	EN
1016858	<i>Goura scheepmakeri</i>	Scheepmaker's Crowned-pigeon	VU
3014	<i>Numenius madagascariensis</i>	Far Eastern Curlew	EN
3879	<i>Pseudobulweria becki</i>	Beck's Petrel	CR

List of Critically Endangered Endemic Species

Papua New Guinea has:

- 1 Critically Endangered (CR) endemic amphibian species¹⁰
- 6 Critically Endangered (CR) endemic mammal species¹¹
- 0 Critically Endangered (CR) endemic reptile species¹²
- 15 Critically Endangered (CR) endemic plant species¹³
- 0 Critically Endangered (CR) endemic bird species¹⁴

Amphibians, Mammals and Reptiles

Taxon ID	Class	Species
57668	AMPHIBIA	<i>Choerophryne siegfriedi</i>
1933	MAMMALIA	<i>Aproteles bulmerae</i>
16887	MAMMALIA	<i>Pharotis imogene</i>
6435	MAMMALIA	<i>Dendrolagus scottae</i>
6794	MAMMALIA	<i>Dorcopsis atrata</i>
16726	MAMMALIA	<i>Petaurus abidi</i>
16851	MAMMALIA	<i>Phalanger matanim</i>

Plants

Taxon ID	Phylum	Class	Species
39214	MARCHANTIOPHYTA	JUNGERMANNIOPSIDA	<i>Schistochila undulatifolia</i>
43320135	TRACHEOPHYTA	LILIOPSIDA	<i>Paphiopedilum bougainvillanum</i>
43323225	TRACHEOPHYTA	LILIOPSIDA	<i>Paphiopedilum wentworthianum</i>
38344	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Diospyros benstonei</i>
38352	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Diospyros lolinopsis</i>
37490	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Nothofagus nuda</i>
32936	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Helicia peltata</i>
37609	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Helicia polysmoides</i>
37614	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Helicia subcordata</i>
38417	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Aglaia mackiana</i>
38151	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Halfordia papuana</i>
37354	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Guioa grandifoliola</i>
37355	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Guioa hospita</i>

¹⁰ IUCN 2015. *The IUCN Red List of Threatened Species. Version 2015.1*. www.iucnredlist.org. As available on 1 June 2015.

¹¹ Ibid.

¹² Ibid.

¹³ Ibid.

¹⁴ BirdLife International. (2015) Country profile: Papua New Guinea. <http://www.birdlife.org/datazone/country>. Accessed on 11 April 2016.

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33389	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Hopea inexpectata</i>
37574	TRACHEOPHYTA	MAGNOLIOPSIDA	<i>Calophyllum acutiputamen</i>

Species Protection Statistics (All PAs) *¹⁵

Class	No. species	% protected	No. Globally Threatened (GT)	% GT protected	No. Endemic (E)	% E protected	No. Threatened Endemic (TE)	% TE protected
Aves	768	89.06	44	86.36	95	72.63	19	89.47
Mammalia	283	85.87	42	64.29	72	68.06	22	50.00
Amphibia	268	55.97	11	54.55	186	46.24	9	55.56

* A species is counted as “protected” if its mapped range (from IUCN Red List) overlaps to some extent (>0% to 100%) with PA boundaries in the country. This does not mean that this protection is adequate.

¹⁵Dubois, G., Bastin, L., Martinez-Lopez J., Cottam, A., Temperley, H., Bertzky, B., Graziano, M. (2015). The Digital Observatory for Protected Areas (DOPA) Explorer 1.0. EUR 27162 EN. Publications Office of the European Union, Luxembourg, 53 p. http://dopa-explorer.jrc.ec.europa.eu/dopa_explorer/. Accessed on 11 April 2016.

NOTES

ⁱ Threatened Species are species that are designated as Critically Endangered, Endangered or Vulnerable by the IUCN Red List. These criteria are explained here: <http://www.iucnredlist.org/technical-documents/categories-and-criteria>, and the criterion Critically Endangered is explained in details below.

ⁱⁱ IUCN Red List definition of Critically Endangered (CR)

A taxon is Critically Endangered when the best available evidence indicates that it meets any of the criteria A to E, and it is therefore considered to be facing an extremely high risk of extinction in the wild.

A. Reduction in population size based on any of the following:

1. An observed, estimated, inferred or suspected population size reduction of $\geq 90\%$ over the last 10 years or three generations, whichever is the longer, where the causes of the reduction are clearly reversible AND understood AND ceased, based on (and specifying) any of the following:

- (a) direct observation
- (b) an index of abundance appropriate to the taxon
- (c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
- (d) actual or potential levels of exploitation
- (e) the effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites.

2. An observed, estimated, inferred or suspected population size reduction of $\geq 80\%$ over the last 10 years or three generations, whichever is the longer, where the reduction or its causes may not have ceased OR may not be understood OR may not be reversible, based on (and specifying) any of (a) to (e) under A1.

3. A population size reduction of $\geq 80\%$, projected or suspected to be met within the next 10 years or three generations, whichever is the longer (up to a maximum of 100 years), based on (and specifying) any of (b) to (e) under A1.

4. An observed, estimated, inferred, projected or suspected population size reduction of $\geq 80\%$ over any 10 year or three generation period, whichever is longer (up to a maximum of 100 years in the future), where the time period must include both the past and the future, and where the reduction or its causes may not have ceased OR may not be understood OR may not be reversible, based on (and specifying) any of (a) to (e) under A1.

B. Geographic range in the form of either B1 (extent of occurrence) OR B2 (area of occupancy) OR both: 17

1. Extent of occurrence estimated to be less than 100 km², and estimates indicating at least two of a-c:

- a. Severely fragmented or known to exist at only a single location.
- b. Continuing decline, observed, inferred or projected, in any of the following:
 - (i) extent of occurrence
 - (ii) area of occupancy
 - (iii) area, extent and/or quality of habitat
 - (iv) number of locations or subpopulations
 - (v) number of mature individuals.

c. Extreme fluctuations in any of the following:

- (i) extent of occurrence
- (ii) area of occupancy

(iii) number of locations or subpopulations

(iv) number of mature individuals.

2. Area of occupancy estimated to be less than 10 km², and estimate indicating at least two of a-c:

a. Severely fragmented or known to exist at only a single location.

b. Continuing decline, observed, inferred or projected, in any of the following:

(i) extent of occurrence

(ii) area of occupancy

(iii) area, extent and/or quality of habitat

(iv) number of locations or subpopulations

(v) number of mature individuals.

c. Extreme fluctuations in any of the following:

(i) extent of occurrence

(ii) area of occupancy

(iii) number of locations or subpopulations

(iv) number of mature individuals.

C. Population size estimated to number fewer than 250 mature individuals and either:

1. An estimated continuing decline of at least 25% within three years or one generation, whichever is longer, (up to a maximum of 100 years in the future) OR

2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals AND at least one of the following (a-b): 18

a. Population structure in the form of one of the following: (i) no subpopulation estimated to contain more than 50 mature individuals, OR (ii) at least 90% of mature individuals in one subpopulation.

b. Extreme fluctuations in number of mature individuals.

D. Population size estimated to number fewer than 50 mature individuals.

E. Quantitative analysis showing the probability of extinction in the wild is at least 50% within 10 years or three generations, whichever is the longer (up to a maximum of 100 years).