The megapode action plan 1995 - 1999 halfway down the road

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Megapodes: an action plan for their conservation 1995 - 1999, a collaborative effort of members of the Megapode Specialist Group and the World Pheasant Association, was published in 1995. It summarizes the conservation status of all megapode taxa and indicates the needs of those species under threat. The Action Plan was intended to be a stimulus for conservation orientated studies and to generate funds more easily.

An overview is given of studies (1990 - present) in which these threatened taxa were involved. The status of these and other taxa are reassessed according to the finalized IUCN threat categories (which supercede the Mace-Lande threat categories originally used in the Action Plan) as a preparation for the megapode action plan 2000 - 2004.

Introduction

Megapodes: an action plan for their conservation 1995 - 1999 (Dekker & McGowan, 1995) was published by the Species Survival Commission (SSC) of the International Union for the Conservation of Nature (IUCN) in 1995 following a Conservation Assessment Management Plan (CAMP) meeting on galliforms held in Antwerp, Belgium, in February 1993. The megapode action plan, soon followed by action plans for partridges, quails, francolins, snowcocks and guineafowl (McGowan et al., 1995) and pheasants (McGowan & Garson, 1995), was the first avian action plan published by the IUCN in their series of conservation action plans. Its purpose is to make information available to conservation planners and others in a position to take action. For a detailed account see McGowan et al. (1998).

The conservation status of the species in the action plan was assigned to threat categories according to the criteria proposed by Mace and Lande (1991). These criteria were widely known as the 'Mace-Lande criteria' and were subsequently treated as version 1.0 in the process to revise the IUCN Red List categories and criteria. As such they were a forerunner of the new and now widely accepted threat categories and criteria (version 2.3) which were adopted by the IUCN in November 1994 (IUCN Species Survival Commission 1994).

The III International Megapode Symposium held in Nhill, Australia, in December 1997 was an excellent opportunity to: 1) list conservation initiatives which had been underway since the publication of the megapode action plan 1995 – 1999; 2) reassess the status of the species using recent information gathered up to and including 1997 and using the finalized IUCN threat categories; and 3) prepare for the next edition of the megapode action plan, which will cover the period 2000 - 2004. These are reported on here.

Projects and publications from 1990 - present

In chapter 4 of the megapode action plan entitled 'Five year plan of action', projects were outlined for the following taxa:

Scientific name	English name	Status ¹	
Aepypodius bruijnii (Oustalet, 1880)	Bruijn's brush-turkey	Endangered	
Leipoa ocellata Gould, 1840	Malleefowl	Vulnerable	
Macrocephalon maleo S. Müller, 1846	Maleo	Endangered	
Eulipoa wallacei (G.R. Gray, 1860)	Moluccan megapode	Critical	
Megapodius pritchardii G.R. Gray, 1864	Polynesian megapode	Endangered	
Megapodius l. laperouse Gaimard, 1823	Micronesian megapode	Endangered	
Megapodius n. nicobariensis Blyth, 1846	Nicobar megapode	Vulnerable	
Megapodius n. abbotti Oberholser, 1919	Nicobar megapode	Vulnerable	
Megapodius tenimberensis Sclater, 1883	Tanimbar megapode	Vulnerable	
Megapodius geelvinkianus A.B. Meyer, 1874	Biak megapode	Endangered	
Megapodius layardiTristram, 1879	Vanuatu megapode	Vulnerable	

¹ The status in the action plan was asigned according to the Mace-Lande criteria (Mace & Lande, 1991).

A summary of fieldwork and papers published between 1990 and 1997 for the above mentioned taxa is given below with reference to the original Mace-Lande (version 1.0) threat categories. The conservation status is reassessed by using this recent information and using the new threat categories. Importantly, the criteria under which the taxon qualifies for each threat category is given so that it is clear why the taxon is considered threatened.

Through the activities of the Megapode Specialist Group and from information published in the Megapode Newsletter, a summary could be made of conservation projects executed since 1990, with reference to published information.

Bruijn's brush-turkey (Aepypodius bruijnii (Oustalet))

Fieldwork: 1993, Dekker & Argeloo, Waigeo. Publications: Dekker & Argeloo (1993).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Endangered. Conservation status new (1994 IUCN threat categories): Vulnerable/B1+2c, D1.

Malleefowl (Leipoa ocellata Gould)

Fieldwork: 1985 - present, Priddel, Wheeler et al., Australia; 1984 - present, Benshemesh, Australia; 1990's - present, Donnellan et al., Australia.

Publications: Benshemesh (1991, 1992a, 1992b, 1994a, 1994b, 1995); Benshemesh & Emison (1996); Donnellan, Dubach & Birrell (1994); Harlen & Priddel (1996); King, Kirkpatrick & McGrath (1996); Priddel (1990); Priddel & Wheeler (1994, 1995, 1996, 1997).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Vulnerable. (Note: National protection status in Australia: Endangered). Conservation status new (1994 IUCN threat categories): Vulnerable/A1+2ce, C2a.

Maleo (Macrocephalon maleo S. Müller)

Fieldwork: 1990 - 1991, Argeloo, North Sulawesi; 1991, Addin, Buton; 1993 - 1994, O'Brien *et al.*, North Sulawesi.

Publications: Addin (1992); Argeloo (1992a, 1992b, 1994); Argeloo & Dekker (1996); Dekker & Argeloo (1992); Indrawan (1992); Kobayashi & Gurmaya (1993); O'Brien & Kinnaird (1996); Sinclair, Kinnaird & O'Brien (1996).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Endangered. Conservation status new (1994 IUCN threat categories): Vulnerable/Alacd+2cd, C1+2a.

Moluccan megapode (Eulipoa wallacei (G.R. Gray))

Fieldwork: 1991-1993 (3 visits), Dekker & Argeloo, Haruku (Kailolo); 1994 - 1996, Heij, Haruku (Kailolo) and elsewhere; 1995, Tuhumuri, Haruku (Kailolo); 1996 - 1997, Baker, Halmahera (Galela).
Publications: Anonymous (1995a, 1995b); Argeloo & Dekker (1996); Baker (1997a, 1997b, 1997c); Dekker (1991); Dekker, Argeloo & Jepson (1995); Heij (1995a, 1995b); Heij & Rompas (1997a, 1997b); Heij, Rompas & Moeliker (1997); Tuhumuri (1996).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Critical. Conservation status new (1994 IUCN threat categories): Endangered/B1+2bcd.

Polynesian megapode (Megapodius pritchardii G.R. Gray)

Fieldwork: 1990 - 1994, Rinke, Niuafo'ou; 1991 - 1993, Göth & Vogel, Niuafo'ou.
Publications: Anonymous (1994); Göth (1995); Göth & Vogel (1995, 1997); Rinke (1993a, 1993b, 1993c, 1994a, 1994b, 1995); Rinke, Soakai & Usback (1993); Vogel (1995).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Endangered. Conservation status new (1994 IUCN threat categories): Endangered/B1+2e, C2a.

Micronesian megapode (Megapodius laperouse laperouse Gaimard)

Fieldwork: 1990 - present, Glass, Stinson & USFW, Mariana Islands. Publications: Stinson & Glass (1992); U.S. Fish and Wildlife Service (1997).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Endangered. Conservation status new (1994 IUCN threat categories): Endangered/C2a.

Nicobar megapode (Megapodius nicobariensis Blyth)

Fieldwork: 1992, Dekker, Great Nicobar; 1992 - present, Sankaran & Sivakumar, All Nicobar islands. Publications: Dekker (1992); Sankaran (1993, 1995a, 1995b); Sivakumar & Sankaran (1996).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Vulnerable. Conservation status new (1994 IUCN threat categories): Vulnerable/C2a.

Tanimbar megapode (Megapodius tenimberensis Sclater)

Fieldwork: 1996, Dekker, Tanimbar.

Publications: -

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Vulnerable. Conservation status new (1994 IUCN threat categories): Vulnerable/B1+2c.

Biak megapode (Megapodius geelvinkianus A.B. Meyer)

Fieldwork: Publications: -

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Endangered. Conservation status new (1994 IUCN threat categories): Vulnerable/B1+2c, C2a.

Vanuatu megapode (Megapodius layardi Tristram)

Fieldwork: 1995, Bowen, Ambrym, Vanuatu; 1996, Foster, Ambrym, Vanuatu; 1996, Birks, Ambrym, Vanuatu.

Publications: Birks (1996); Bowen (1996a, 1996b).

Conservation status in the Action Plan (1991 Mace-Lande threat categories): Vulnerable. Conservation status new (1994 IUCN threat categories): Vulnerable/A2cd.

Conservation status of other megapodes

The 'old' Mace-Lande and 'new' IUCN conservation status is given below for the remaining species, some to subspecies level.

Scientific name	English name	Status	Status
	(1991 Mace-Lande)		(1994 IUCN)
Alectura lathami J.E. Gray, 1831	Australian brush-turkey	Safe	Lower risk - least concern
Aepypodius a. arfakianus (Salvadori, 1877)	Wattled brush-turkey	Safe	Lower risk - least concern
Aepypodius a. misoliensis Ripley, 1957	Wattled brush-turkey	Vulnerable	Data deficient
Talegalla cuvieri Lesson, 1828	Red-billed talegalla	Vulnerable	Lower risk - near threatened
Talegalla fuscirostris Salvadori, 1877	Black-billed talegalla	Safe	Lower risk - least concern
Talegalla jobiensis A.B. Meyer, 1874	Brown-collared talegalla	Safe	Lower risk - least concern
Megapodius laperouse senex Hartlaub, 1867	Micronesian megapode	Vulnerable	Vulnerable/C2a
Megapodius cumingii Dillwyn, 1853	Philippine megapode	Vulnerable	Lower risk - least concern
Megapodius bernsteinii Schlegel, 1866	Sula megapode	Vulnerable	Lower risk - near threatened
Megapodius freycinet Gaimard, 1823	Dusky megapode	Safe	Lower risk - least concern
Megapodius forstenii G.R. Gray, 1847	Forsten's megapode	Safe	Lower risk - least concern
Megapodius eremita Hartlaub, 1867	Melanesian megapode	Safe	Lower risk - least concern
Megapodius decollatus* Oustalet, 1878	New Guinea megapode	Safe	Lower risk - least concern
Megapodius reinwardt Dumont, 1823	Orange-footed megapode	Safe	Lower risk - least concern

^{*} synonymous with Megapodius affinis A.B. Meyer, 1874 in the action plan (for explanation, see Jones et al., 1995).

Conclusions

- 1) In Chapter 4 of the megapode action plan 11 field projects were suggested for the action plan period 1995 1999. In late 1997, halfway down the road, all threatened megapode taxa with the exception of the Biak Megapode had been subject to surveys, ecological studies or long-term conservation initiatives.
- 2) Several threatened megapodes are downlisted from 'endangered' to 'vulnerable' or from 'vulnerable' to 'lower risk near threatened' or 'lower-risk least concern', by using the finalized IUCN threat categories (version 2.3) instead of the Mace-Lande threat categories (version 1.0) which were used in the action plan. Though in some instances this downlisting is due to additional information collected since the publication of the megapode action plan (e.g. the discovery of more active nesting grounds of the Moluccan megapode and thus a larger population of mature birds), part of it is due to the interpretation and use of the finalized IUCN threat categories.
- 3) Though the threat status of all except one species as assessed in this publication is similar to the status as it is given in the IUCN Red List of Endangered Animals, the criteria or subcriteria which were used to come to these decisions sometimes differ. These differences are either due to information which became recently available or to differences in interpretation of the (sub)criteria.

The status of the Moluccan megapode is given as 'Vulnerable/A2cd, C1' in the IUCN Red List of Endangered Animals, but is given as 'Endangered/B1+2bcd' in this publication.

4) All threatened taxa listed in Chapter 4 of the megapode action plan 1995 - 1999 require a continuation of the conservation projects that were outlined in the action plan.

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