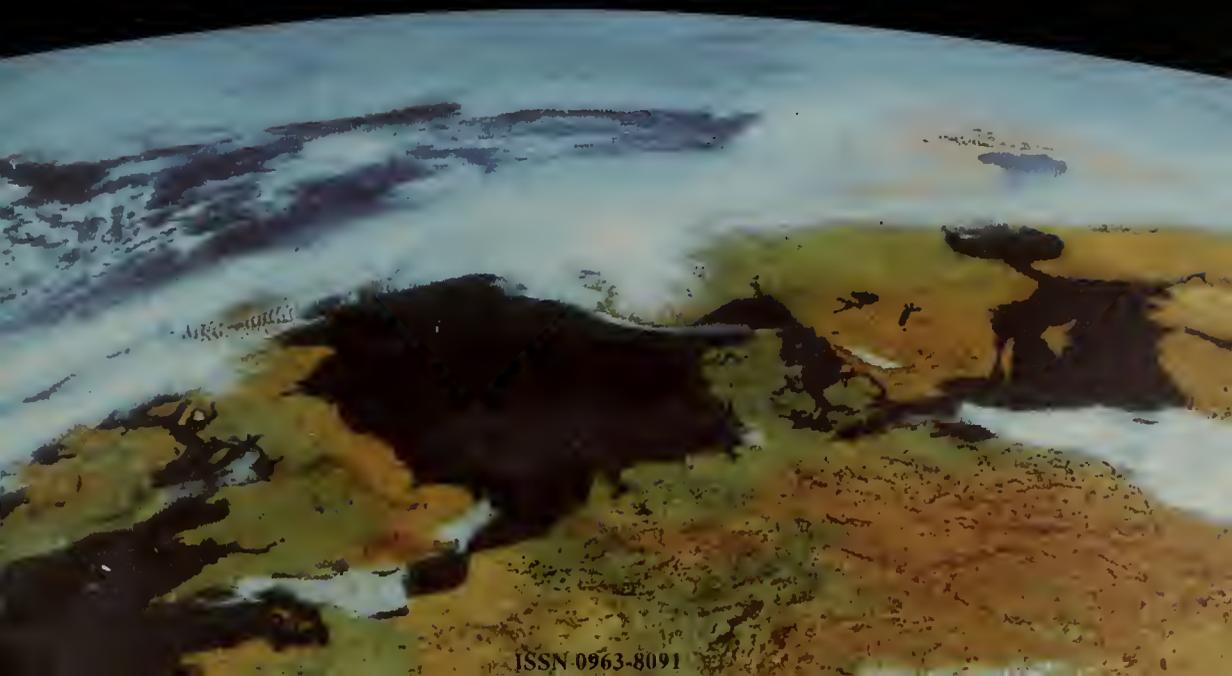


**JOINT
NATURE
CONSERVATION
COMMITTEE**

**Checklist of
fish and invertebrates
listed in the
CITES appendices**

JNCC REPORT



JOINT NATURE CONSERVATION COMMITTEE

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Joint Nature Conservation Committee Report No. 238

**Checklist of
fish and invertebrates
listed in the
CITES appendices**

compiled by the

World Conservation Monitoring Centre

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Introduction

In April 1991, the Nature Conservancy Council for England, Countryside Council for Wales and Scottish Natural Heritage acting together through the Joint Nature Conservation Committee were appointed by the Secretary of State for the Environment as the United Kingdom's Scientific Authority for Animals under the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). CITES regulates international trade in wild animals and plants and in products derived from them, to help to ensure their conservation on a worldwide scale.

The purpose of this publication is to provide a taxonomic list of fish and invertebrates included in Appendices I, II and III of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) together with their conservation status category in the 1994 IUCN *Red List of Threatened Animals*. Few invertebrates and a small proportion of fishes have received a status assessment, consequently the Red List contains only a small sample of the species from these groups that may in fact be threatened.

This document incorporates additions and amendments to the CITES appendices up to and including those made at the 9th Meeting of the Conference of the Parties in Florida in November 1994 (effective from 16 February 1995).

Conservation status is provided using the 1994 IUCN *Red List of Threatened Animals*. For background material on the rationale of the IUCN threat categories, readers are referred to Groombridge, (1993); for background on the workings of CITES, recommended works are Favre (1989) and Wijnstekers (1992). For information by country on the diversity and status of fish, invertebrates and other taxonomic groups, and for a general review of biodiversity, readers are referred to WCMC (1992) and WCMC (1994).

In a publication of this nature, it is inevitable that users will discover entries that need correcting or updating. The publishers would be grateful if their attention could be drawn to these entries, and the World Conservation Monitoring Centre would be grateful to receive details of such changes so that they can be incorporated in the database from which this publication is produced.

Explanatory notes

Scientific names

The taxonomic scope and sequence of orders follows the system adopted in the Appendices to CITES. For each taxon, the scientific name is given first (as listed in the CITES Appendices), with the most frequently used current synonyms in brackets. No standard nomenclature has been adopted by CITES for fish or invertebrates, with the exception of the birdwing butterflies, for which D'Abrera (1975) is followed.

Fish

Where the CITES nomenclature differs from that used in Nelson (1984) and Parenti (1981), the synonymy used by these works has been noted.

Non-coral invertebrates

The systematics of invertebrates has been the subject of numerous studies, and the nomenclature of the CITES listings may differ from the latest scientific reviews. In particular, there have been extensive revisions of the papilionid tribe Troidini and the pearly mussels of the family Unionidae. Miller (1987) revised the taxonomy of the Troidini, uniting all birdwing butterflies in the single genus *Troides* with two subgenera: *Troides* (including *Troides*, *Ripponia* and *Ornithoptera*) and *Trogonoptera*. Similarly, the Unionidae taxonomy was partly revised by Johnson (1978), reducing many of the *Epioblasma* species to synonymy and reinstating the generic name *Plagiola*. Other species in the same family were reviewed by Johnson (1980). To help address the problems caused by the complexity of the taxonomy of the

recent works. Although some workers have split the Antipatharia into a number of families, Opresko considered that there were only two families, the Antipathidae and the Dendrobrachiidae. Opresko and Bayer (1991) subsequently reclassified the Dendrobrachiidae placing this monotypic family in the Gorgonacea. There are no known records of trade for this family and it is not included in this checklist.

Hard corals

Lists for genera and species of hermatypic reef corals occurring in the Indo-Pacific have been compiled by reference to recent publications by Veron (1985, 1986, 1990a,b,c, 1993) and Veron *et al.* (1976, 1977, 1980, 1982, 1984, 1988, 1989). These studies cover the central Indo-Pacific area and details of additional species occurring outside this area have been obtained, for example, from publications by Cairns and Keller (1993) (South-west Indian Ocean), Sheppard and Sheppard (1991) (Red Sea and Arabian Gulf), and Wells (1972, 1982, 1983) (Central and Eastern Pacific). Lists for genera and species of Western Atlantic reef corals have been compiled by reference to a number of key publications, for example by Cairns (1982a), Laborel (1970) and Wells and Lang (1973). Both reef and non-reef corals of the USA are listed in a booklet produced by the American Fisheries Society (1991). The family Fungiidae was revised by Hoeksema (1989). The taxonomy of deep water (ahermatypic) and temperate water scleractinian and stylasterid corals has been investigated in recent years principally by Cairns (1979, 1982b, 1983a,b,c, 1984, 1985, 1986a,b, 1987a,b, 1988, 1989, 1990, 1991a-e, 1994), Zibrowius (1973, 1974a,b, 1980)

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