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## ASSESSMENT 5

### *Eleotris melanosoma*

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#### TAXONOMY

| Kingdom  | Phylum   | Class          | Order       | Family     |
|----------|----------|----------------|-------------|------------|
| ANIMALIA | CHORDATA | ACTINOPTERYGII | PERCIFORMES | ELEOTRIDAE |

**Scientific Name:** *Eleotris melanosoma*

**Species Authority:** Bleeker, 1852

**Common Name/s:** Broadhead Sleeper [English]

**Synonyms:** *Culius macrocephalus* Bleeker, 1957  
*Eleotris macrocephala* Bleeker, 1857

**Taxonomic Notes:** *Eleotris melanosoma* was described from Wahai in the Maluku islands (Bleeker, 1852). It is distinguished from congeners in having 46 – 58 lateral row scales, usually 18 – 19 pectoral rays, 12 – 13 gill rakers on the first gill arch and two longitudinal rows of papillae on the opercle meeting posteriorly (Kottelat et al., 1993).

#### ASSESSMENT INFORMATION

**Red List Category & Criteria:** LC

**Justification:** Widespread and abundant. No known and projected threats. Global population not expected to undergo any significant decline in near future. Least Concern.

#### GEOGRAPHIC RANGE

**Range Description:** This species is widespread. Known from the East African coast, and from the Society Islands to north of Japan. Widely introduced (e.g., Koumans, 1953).

**Countries:** **Native:** American Samoa; China; Fiji; French Polynesia; Hong Kong; Indonesia; Japan; Korea, Democratic People's Republic of; Korea, Republic of; Maldives; Micronesia, Federated States of; Mozambique; New Caledonia; Northern Mariana Islands; Papua New Guinea; Philippines; Samoa; Singapore; Taiwan, Province of China; Tanzania, United Republic of; Thailand.

**FAO Marine Fishing Areas:** **Native:** Indian Ocean – Western; Pacific – Eastern Central; Pacific – Northwest; Pacific – Western Central.

#### POPULATION

**Population:** No information.

**Population Trend:** Stable

#### HABITAT & ECOLOGY

**Habitat & Ecology:** *Eleotris melanosoma* is a demersal, amphidromous species that can usually be found on mud bottoms. Adults inhabit brackish estuaries and medium to large size rivers. It is also found in submerged bank vegetation of freshwater.

streams.

|                       |                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Systems:</b>       | Freshwater, Marine                                                                                                                                      |
| <b>Habitat codes:</b> | 5.1 Wetlands (inland) – Permanent rivers/streams/creeks (includes waterfalls)<br>9.6 Marine neritic – Subtidal muddy<br>9.10 Marine neritic – Estuaries |

## USE & TRADE

**Use & Trade:** Occassionally caught in subsistence fisheries, although it is not targetted. Rarely caught as an ornamental fish. Exploitation is not a threat to this fish.

## THREATS

**Major Threats:** There are no known major threats for this species. It is known from estuarine and riverine habitats where it may be suffering localised declines due to water pollution, boat traffic and fishing activity.

|                      |                                                                                                                                                                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Threat codes:</b> | 4.3 Transportation & service corridors – Shipping lanes<br>5.4.6 Biological resource use – Fishing & harvesting aquatic resources – Motivation unknown/unrecorded<br>9.1.3 Pollution – Domestic & urban waste water – Type unknown/unrecorded<br>9.3.2 Pollution – Industrial & military effluents – Type unknown/unrecorded |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## CONSERVATION ACTIONS

**Conservation Actions:** Although this is a common, very widespread species, more information about its population size and trends, biology and potential threats (even if localized) facing this species is required.

At the present moment, no species-specific conservation measures are needed.

|                               |                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Research Action codes:</b> | 1.2 Research – Population size, distribution & trends<br>1.3 Research – Life history & ecology<br>1.5 Research - Threats |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|

**Conservation Needed codes:**

## BIBLIOGRAPHY

Bleeker, P. 1852. Nieuwe bijdrage tot de kennis der ichthyologische fauna van Ceram. *Natuurkundig Tijdschrift voor Nederlandsch Indië* 3: 689-714.

Kottelat, M., A.J. Whitten, S.N. Kartikasari, & S. Wirjoatmodjo. 1993. *Freshwater fishes of Western Indonesia and Sulawesi*. Periplus Editions, Hong Kong.

## ASSESSMENT 5: REVIEW

Evaluate the suitability of this assessment for publication on the Red List. Please place a cross (X) in the appropriate box and provide reasons for your decision

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Accept</b></p> <p>Accept without edits <input type="checkbox"/></p> <p>Minor edits needed <input type="checkbox"/></p> <p><i>For example, assessment seems appropriate, but some documentation issues to be clarified or fixed</i></p> | <p><b>Reject</b></p> <p>Return assessment to the assessor(s) <input type="checkbox"/></p> <p><i>For example, incorrect or missing criteria; documentation insufficient to determine validity of the assessment.</i></p> |
| <p>Please provide a summary of edits needed:</p>                                                                                                                                                                                             | <p>Please provide reasons for rejecting the assessment:</p>                                                                                                                                                             |
| <p><b>Reviewers</b> – Please provide the names of reviewers responsible for the above decision</p>                                                                                                                                           |                                                                                                                                                                                                                         |