

2021 Report

IUCN SSC Croaker and Drum Fishes Red List Authority



**RED LIST AUTHORITY
COORDINATOR**

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**RED LIST AUTHORITY
COORDINATOR**

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NUMBER OF MEMBERS

56

Mission statement

The mission of the IUCN SSC Croaker and Drum Fishes Red List Authority is to revise and submit the assessments of all 300 species of Croakers and Drum Fishes and to redefine the goal of the second phase of the Global Sciaenidae Conservation Plan.

Projected impact 2021–2025

Artisanal marine fisheries provide household income and food supply in tropical America and Asia, representing the most important activity in large marginal communities along the coast. These fisheries occur daily throughout the year with commercial sizes and juveniles of sciaenid species as primary targets. However, low importance undersize species without natural commercial value represent a significant bycatch, mostly in shallow, brackish and estuarine water environments. To date, official statistical records for the artisanal fisheries along the Meso- and South American coast and Southeast Asia region are deficient to accurately establish fisheries production targets, regulations and conservation strategies.

Targets 2021–2025

ASSESS

T-005 Organise international panel discussions on threatened species, biodiversity and conservation.

T-006 Reassess threatened croakers and drums species.

PLAN

T-009 Formulate and submit the proposal to establish the IUCN SSC Croaker and Drum Fishes Specialist Group.

NETWORK

T-001 Submit applications for funding partners to establish and maintain new assessments and training programmes.

T-002 Interact with the Marine Fish expert groups network to improve the criteria for species reassessment and explore the best option to measure the effectiveness of SSC's actions on biodiversity conservation.

T-003 Advocate for more marine fish biodiversity conservation across the regions among educational institutions, local/regional governments and corporate bodies.

T-004 Enhance collaborations with governmental agencies of conservation and fisheries, academics, NGOs and scientific society partnerships.

COMMUNICATE

T-008 Catalyse sustainable use practices to improve governance for people and nature.

Activities and results 2021

ASSESS

Red List

T-006 (KSR 6)

Number of global Red List reassessments completed: 1

Result description: Spine Bahaba (*Bahaba polykladiskos*), Southeast Asia Survey, June 2022, Prof. Chao and team.

Research activities

T-005 (KSR 5)

Number of scientific publications about species research that acknowledge SSC affiliation: 1

Result description: The following paper was published: Hanafi, N., et al. (2022). 'Johnius sasaki, a new species of croaker (Perciformes: Sciaenidae) with a key to *Johnius* from East Malaysia, Borneo'. *Zootaxa* 5116(3):393–409. <https://doi.org/10.11646/zootaxa.5116.3.5>

Otolithoides biauritus maws were extracted at a fish market
 Photo: Archives of the CDFRLA



Fish maw of *Bahaba polykladiskos* observed from Mid Valley Kuala Lumpur, Malaysia
 Photo: Archives of the CDFRLA



Bahaba polykladiskos examination in the Global Sciaenidae Conservation Network, National Museum of Marine Biology and Aquarium, Taiwan
 Photo: Archives of the CDFRLA



PLAN

Planning

T-009 (KSR 8)

Number of conservation plans/strategies developed: 1

Result description: Establishment of the IUCN SSC Croakers and Drums Specialist Group has been coordinated by Riley Pollom at the Global Center for Species Survival.

NETWORK

Synergy

T-001 (KSR 1)

Number of funding partners established and maintained: 4

Result description: Funding confirmed or pending for approval: (1) US\$ 20,000 (from Prof. Chao); (2) US\$ 15,000 NGO (Prof. Liu, Mr Yan, Bahaba and larger sciaenid culture company), not confirmed; (3) unknown amount (Dr Chang Chih-Wei, Prof. Chen, Sciaenidae Conservation network, NMMBA, Taiwan); (4) small grant to students, under US\$ 2,000 for travelling, 1–2 pax per year (from Prof. Chao).

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Summary of achievements

Total number of targets 2021–2025: 8

Geographic regions: 5 Global, 3 America

Actions during 2021:

Assess: 2 (KSR 5, 6)

Plan: 1 (KSR 8)

Network: 1 (KSR 1)

Overall achievement 2021–2025:

