



**CONVENTION ON
MIGRATORY
SPECIES**

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Agenda Item 25.6.1

FRESHWATER FISH

(Prepared by the COP-appointed Councillor for Freshwater Fish and the Secretariat)

Summary:

This document reports on progress to implement Decisions 14.110–14.113 *Freshwater Fish*. It proposes new Decisions for adoption and amendments to Resolution 10.12 *Migratory Freshwater Fish*.

The attached draft Decisions and amended Resolution would support the achievement of Targets 1.1, 2.3, 4.1 and 5.4 of the Samarkand Strategic Plan for Migratory Species 2024–2032.

FRESHWATER FISH

Background

1. COP10 (2011) adopted Resolution 10.12 *Migratory Freshwater Fish*. Furthermore, [UNEP/CMS/Inf.10.33](#) *Review of Freshwater Fish* was published for COP10.
2. COP14 adopted the following Decisions on this issue:

14.110 Directed to Parties

Parties are urged to:

- a) *promote the sharing of data with other Range States and/or international bodies on transboundary freshwater migratory fish species, including current abundance, fish ecology and habitat degradation, especially for those species identified on national, regional or global red listings;*
- b) *take actions with respect to hydroelectric dams to mitigate the effects of barriers in rivers, such as the creation of protected areas and other effective area-based conservation measures in the upper and lower floodplains that are important for the feeding and spawning cycles of wild migratory fish populations;*
- c) *take action to ensure ecological flow in fluvial ecosystems in order to ensure good conditions for the existing ecosystems and avoid the negative consequences on fisheries that they support;*
- d) *consider, taking into account the advice of the Scientific Council, developing a multispecies action plan based on minimizing the main threats to a group of species;*
- e) *work together with other Range States to propose the inclusion of additional threatened freshwater migratory fish species in the CMS Appendices; and*
- f) *promote awareness on the conservation status of CMS-listed freshwater fish.*

14.111 Directed to non-governmental organizations

Non-governmental organizations are urged to:

- a) *work closely with Range States to provide expertise and funding for the collection and sharing of data on transboundary freshwater migratory fish species, including current abundance, fish ecology and habitat degradation, especially for those species identified on national, regional or global red listings;*
- b) *provide expertise and funds to Range States to support their research and data sharing; and*
- c) *promote awareness on the conservation status of CMS-listed freshwater fish.*

14.112 Directed to the Scientific Council

The Scientific Council shall, subject to the availability of resources:

- a) *update the review of freshwater fish found in UNEP/CMS/Inf.10.33;*
- b) *provide advice on the development of a multispecies action plan for freshwater fish to address the main threats to this group of species; and*
- c) *report to the Conference of Parties at its 15th meeting on the progress in implementing this decision.*

14.113 Directed to the Secretariat

The Secretariat shall, subject to the availability of resources:

- a) support the Scientific Council in the development of the review outlined in Decision 14.112;
- b) provide technical support to Parties for the implementation of activities outlined in Decision 14.110; and
- c) develop and disseminate relevant guidelines and management tools as requested by Parties.

Implementation of Decisions 14.112 and 14.113 (a) – (b)

3. The COP-appointed Councillor for Freshwater Fish convened an expert workshop on migratory freshwater fish and global swimways from 15 to 17 July 2025 at the University of Nevada, Reno–Lake Tahoe Campus, USA. The workshop brought together fish ecologists and technical experts working on a global database of migratory freshwater fish, including species that could qualify for listing under CMS. As a result of the workshop, two documents have been produced.
4. The first is a *Global Assessment of Migratory Freshwater Fishes*. The report can be found in Annex 1 of this document, along with a summary and recommendations in Annex 2 and a list of *Migratory Freshwater Fishes that meet the criteria for listing on CMS* in Annex 3.
5. A case study on the Amazon Basin, an *Assessment of Potential Candidate Freshwater Fish Species of the Amazon Basin for Listing on the Convention of Migratory Species Appendix II* can be found on the website and as [UNEP/CMS/COP15/Inf.25.6.1](https://www.unep.org/cms/cop15/inf.25.6.1).
6. The CMS COP-appointed Councillor for Freshwater Fish has been in contact with Brazil and NGOs in the Amazon Basin, supporting their preparation for COP15.
7. Finally, Resolution 10.12 *Migratory Freshwater Fish* has also been updated. Draft amendments to the Resolution can be found in Annex 4 of this document.

Discussion and analysis

8. The two reports and the annexed list of species provide useful information for Parties and other stakeholders to consider when listing additional species on the CMS Appendices in future. The reports also contain information on distribution, ecology and threats facing freshwater fishes and options for the management of transboundary species.
9. CMS provides the only global convention designed specifically to facilitate the conservation and management of migratory species, including freshwater fishes. Although coverage of CMS membership is incomplete in some regions, its instruments can engage non-Parties and collaborate with other multilateral processes to deliver basin-scale outcomes.

Recommended actions

10. The Conference of the Parties is recommended to:
 - a) note the report, *Global Assessment of Migratory Freshwater Fishes*, contained in Annex 1 of this document, the summary and recommendations contained in Annex 2 of this document and the list of *Migratory Freshwater Fishes that meet the criteria for listing on CMS* contained in Annex 3 of this document;
 - b) adopt the proposed amendments to Resolution 10.12 contained in Annex 4 of this document;
 - c) adopt the draft Decisions contained in Annex 5 of this document; and
 - d) delete Decisions 14.110–14.113.

ANNEX 1

**GLOBAL ASSESSMENT OF MIGRATORY FRESHWATER FISHES
AND AMAZON CASE STUDY**

NB: The annex is presented in a separate file [here](#).

GLOBAL ASSESSMENT OF MIGRATORY FRESHWATER FISHES AND AMAZON CASE STUDY:

SUMMARY AND RECOMMENDATIONS

Summary of *Global Assessment of Migratory Freshwater Fishes*

1. Freshwater fishes are among the most imperilled vertebrates, and many migratory species now face declines driven by loss of connectivity, flow alteration, habitat degradation, exploitation, pollution, and interacting pressures across borders. Recognizing these trends and their transboundary nature, the Convention on the Conservation of Migratory Species of Wild Animals (CMS) has sought stronger, coordinated action for inland fishes that move across national jurisdictions.
2. The document builds on the original CMS review of migratory freshwater fishes published in 2011 ([UNEP/CMS/Inf.10.33](#)). Since then, IUCN Red List coverage of freshwater fishes has expanded from ~3,000 to nearly 15,000 assessed species, enabling a much more complete picture of status and trends. The current report was prepared in response to COP14 Decision 14.112(a), which requested the Scientific Council to update the 2011 review.
3. **Objectives:** The report (i) summarizes current knowledge on migratory freshwater fishes, (ii) identifies species that meet CMS criteria and could benefit from listing, and (iii) outlines practical options for CMS Parties and Range States to improve management and conservation through listings and cooperation instruments.
4. **Methods:** To generate a CMS-actionable list, we combined expanded IUCN assessments with a new global migratory fish dataset and additional sources, then applied CMS criteria for transboundary migration and 'unfavorable' conservation status. Key elements of the evidence base included:
 - the IUCN Red List for status, threats and trends, along with multiple databases (FishBase, GROMS, North American and regional migratory fish datasets, Mekong River Commission resources, Trans-European Swimways/Wetlands International, South Africa River Eco-classification, New Zealand Freshwater Fish Database) and recent peer-reviewed literature and expert knowledge;
 - transboundary confirmation, based on the intersection of species' inland ranges with connected, cross-border drainage networks, including marine phases where they create shared inland stocks; and
 - consideration of conservation status, which includes species categorized by the IUCN as Critically Endangered (CR), Endangered (EN), Vulnerable (VU), Near Threatened (NT), Data Deficient (DD), Not Evaluated (NE) and Least Concern (LC), with credible evidence of decline or risk, or where the IUCN determines the trend as 'Decreasing'.
5. **Results:** The analysis identified 349 migratory, transboundary freshwater fishes that potentially meet the criteria for listing on the CMS Appendices; 24 are already listed, leaving 325 candidate species for prospective action. Candidate occurrences are concentrated in Asia (n=205), with additional sets in South America (n=55), Africa (n=42), Europe (n=50), North America (n=32), and Oceania (n=6). Among non-listed

taxa, 136 species meet CR/EN/VU/NT thresholds, and of these, 75 occur in two or more CMS Parties (strong near-term listing prospects).

6. **Priority regions:** Consistent with the global assessment and case studies in this report, several transboundary systems emerge as areas where CMS cooperation is both necessary and feasible:
 - the Amazon and La Plata–Paraná–Paraguay in South America (long-distance catfishes and characids; floodplain nursery protections; coordinated seasonal closures; high-gain barrier retrofits);
 - the Danube and connected European basins (potamodromous cypriniforms and remaining sturgeon/lamprey runs; sediment continuity and passage across multiple Parties);
 - the Congo, Niger–Lake Chad, and Nile in Africa (shared stocks, drought sensitivity, and fragmentation that calls for cooperative monitoring and flow/water-quality measures);
 - the Mekong and Ganges–Brahmaputra–Meghna in Asia (high biomass of migrants; dams and hydropowering; harvest coordination via regional bodies with CMS alignment);
 - and regional anguillid eel measures in Oceania (passage standards; life-stage fishery regulation; shared recruitment indices).
7. **Regional and taxonomic gaps:** The Mekong River Basin represents a major gap. It supports globally significant freshwater biodiversity and numerous migratory species, including several that are Critically Endangered or Endangered. Dozens of Mekong species would likely benefit from coordinated international management, shared monitoring and connectivity safeguards. While the countries of the Lower Mekong are not currently Parties to CMS, closer engagement with and consideration of accession to the Convention would unlock access to established tools, technical support and a platform for sustained transboundary collaboration.
8. **Priority action pathways under CMS:** The report outlines complementary instruments that Parties and Range States can deploy singly or in combination: Listing on Appendix I/II, Concerted Actions, Single Species or Multi-Species Action Plans under COP Resolutions, and Memoranda of Understanding (MOUs) that flexibly engage Party and non-Party Range States.
9. **Integration with broader CMS work:** Freshwater fishes should be integrated into CMS themes on ecological connectivity and infrastructure, alongside technical guidance on fish passage/screening, environmental flows tied to migration and larval drift, bycatch mitigation, and mixed-stock management. These linkages create coherence across taxa and basins and can align with flagship CMS publications (e.g., the *Atlas of Animal Migration*, *Status of the World's Migratory Species*) where relevant.
10. **Cross-cutting foundations and collaboration:** Success depends on shared baselines and indicators; improved knowledge of migration routes and stock structure; maintaining/restoring connectivity and environmental flows; reducing habitat degradation and pollution; and inclusive, cross-sector governance with data sharing. The report highlights synergies with CBD, CITES, river-basin organizations, FAO and the IUCN Red List network to expand capacity and align incentives.
11. **Next steps for Parties:** In the near term, Parties can:
 - (i) prepare proposals for listing high-priority taxa (those occurring in two or more Parties with CR/EN/VU/NT status);

- (ii) develop Concerted Actions, Action Plans or MOUs for listed species (e.g., catfish in the Amazon basin; listed sturgeon species), with clear work plans and technical advisory structures; and
- (iii) mainstream freshwater fishes into CMS decisions, resolutions, working groups and cross-cutting products that advance connectivity and reduce bycatch and infrastructure impacts.

Summary of Assessment of Potential Candidate Freshwater Fish Species of the Amazon Basin for Listing on the Convention of Migratory Species Appendix II

The full case study can be found as [UNEP/CMS/COP15/Inf.25.6.1](#)

1. **Case study - Amazon Basin:** A targeted Amazon assessment, integrating basin literature (2021–2025) and expert consultation, identified 33 migratory species (characiforms, siluriforms, osteoglossiforms) of unfavorable status or declining trends that meet the CMS criteria. These include long-distance pimelodid catfishes (e.g., *Brachyplatystoma* spp.), migratory characiforms (e.g., *Brycon* spp., *Prochilodus nigricans*, *Semaprochilodus insignis*), widely exploited serrasalmids (e.g., *Colossoma macropomum*), and *Arapaima gigas*. Experts identified 20 priority species for immediate action.
2. **Next steps:** For long-distance Amazon catfishes (including species already on Appendix II):
 - an Action Plan (standardized basin-scale population monitoring, corridor mapping, seasonal/size/gear rules, bycatch reduction, catch/trade documentation, mercury/sediment hotspot abatement),
 - an Amazon MOU or other coordination mechanism (to engage all Range States, including non-Parties), or
 - Concerted Actions (data sharing, harmonized harvest/trade measures, maintenance of ecological connectivity) as scalable building blocks.

Recommendations

1. Listings and cooperation instruments

- Prepare proposals to amend the Appendices for high-readiness taxa (occurring in two or more Parties and assessed as CR/EN/VU/NT).
- Initiate cooperation instruments for listed species – Concerted Actions, Species Action Plans (single or multi-species) and MOUs – with clear work plans and technical advisory structures.

2. Technical governance and expert support

- Establish an expert technical working group to advise the Scientific Council on migratory freshwater fishes (status reviews, listings, connectivity guidance and monitoring standards).

3. Evidence and assessment priorities

- Resolve assessment gaps by working with IUCN and the expert group to compile evidence for NE, DD and LC (decreasing trend) species flagged as likely meeting CMS criteria.
- Undertake Green Status (Green List) assessments for CMS-listed freshwater fishes and priority candidates identified in this report.
- Produce a status report summarizing the current conservation status and management progress for Appendix I freshwater fishes.

- Commission a global status review of migratory marine bony fishes (teleosts), mirroring the freshwater approach, to inform potential cross-realm actions.

4. Regional priorities

- Conduct targeted regional reviews (with expert consultation) in basins and regions with numerous transboundary migrants.
- Engage Lower Mekong countries to explore pathways for coordinated management and potential accession/participation in CMS instruments.
- Initiate a structured review for Africa, where transboundary migrants are under-represented in current analyses and data gaps are likely.

5. Integrating freshwater fishes within CMS thematic areas

- Integrate freshwater fishes into CMS decisions, resolutions, working groups, and cross-cutting initiatives on ecological connectivity, linear infrastructure and bycatch reduction.
- Contribute a dedicated freshwater fishes module to the *Atlas of Animal Migration* and incorporate key findings into *State of the World's Migratory Species* and related CMS communication products.

6. Coordination with other conventions and partners

- Undertake a gap analysis of activities undertaken by CITES, CBD, FAO, IUCN and river-basin organizations to identify where CMS adds the most value and to align actions on monitoring, connectivity safeguards and sustainable harvest/trade.

**MIGRATORY FRESHWATER FISHES
THAT MEET THE CRITERIA FOR LISTING ON CMS**

The full spreadsheet is available [here](#).

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Aptosyax grypus</i>	Cyprinidae / Cypriniformes	CR	Mekong	Cambodia; Laos; Thailand
<i>Acipenser oxyrinchus</i>	Acipenseridae / Acipenseriformes	VU	Narva; Neman; Neva; Oder; Pregolya; Saint John (North America)	Canada; Estonia; Finland; Germany; Lithuania; Poland; Russia; Russia (Kaliningrad); United States of America
<i>Acipenser transmontanus</i>	Acipenseridae / Acipenseriformes	VU	Columbia; Skagit	Canada; United States of America
<i>Ageneiosus pardalis</i>	Auchenipteridae / Siluriformes	LC	Catatumbo	Colombia; Venezuela
<i>Albula vulpes</i>	Albulidae / Albuliformes	NT	Artibonite; Belize; Candelaria; Coco; Grijalva; Hondo; Motagua; San Juan; Sarstoon; Sixaola	Belize; Costa Rica; Dominican Republic; Guatemala; Haiti; Honduras; Mexico; Nicaragua; Panama
<i>Alburnus sarmaticus</i>	Leuciscidae / Cypriniformes	EN	Danube	Bulgaria; Moldova; Romania; Ukraine
<i>Alburnus scoranza</i>	Leuciscidae / Cypriniformes	NT	Buna; Vjosa	Kosovo ² ; Montenegro; North Macedonia
<i>Alosa aestivalis</i>	Alosidae / Clupeiformes	VU	Saint Croix	Canada; United States of America
<i>Alosa alosa</i>	Alosidae / Clupeiformes	CR	Douro; Foyle; Guadiana; Lima; Minho; Newry; Rhine; Vida	Denmark; France; Germany; Ireland; Netherlands; Portugal; Spain; United Kingdom
<i>Alosa caspia</i>	Alosidae / Clupeiformes	LC	Volga	Kazakhstan; Russia
<i>Alosa immaculata</i>	Alosidae / Clupeiformes	LC	Danube; Dniestr	Bulgaria; Moldova; Romania; Serbia; Ukraine
<i>Alosa tanaica</i>	Alosidae / Clupeiformes	LC	Coruh; Danube	Bulgaria; Georgia; Moldova; Romania; Türkiye; Ukraine
<i>Altigena elegans</i>	Cyprinidae / Cypriniformes	NT	Mekong	Laos; Thailand

¹ These species were selected according to the precautionary principle. 'Least Concern' species were only included if they had a declining trend.

² All references to Kosovo in this document shall be understood in full compliance with United Nations Security Council Resolution 1244/99 and without prejudice to its status.

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Altigena yunnanensis</i>	Cyprinidae / Cypriniformes	DD	Mekong; Salween	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Ambastaia nigrolineata</i>	Botiidae / Cypriniformes	VU	Mekong	Cambodia; China; Laos; Thailand; Vietnam
<i>Anaocypris hispanica</i>	Leuciscidae / Cypriniformes	NT	Guadiana	Portugal; Spain
<i>Anguilla bengalensis</i>	Anguillidae / Anguilliformes	NT	Abbe-Awash; Amu Darya; Buzi; Congo; Dakatia; Dasht; Feni; Ganges-Brahmaputra-Meghna; Helmand; Incomati; Indus; Irrawaddy; Jubba; Kaladan; Karnaphuli; Lake Chilwa; Lake Rukwa; Limpopo; Maputo; Matamuhuri; Mekong; Naf; Natron; Nile; Okavango; Orange; Pakchan; Pangani; Rann of Kutch; Ruvuma; Salween; Save; Tarim; Turkana; Umba; Umbeluzi; Zambezi	Afghanistan; Bangladesh; Bhutan; Botswana; Burundi; China; Democratic Republic of Congo; Djibouti; Eritrea; Eswatini; Ethiopia; India; Iran; Kenya; Laos; Lesotho; Malawi; Mozambique; Myanmar; Namibia; Nepal; Pakistan; Rwanda; Somalia; South Africa; South Sudan; Sudan; Tajikistan; Tanzania; Thailand; Uganda; Zambia; Zimbabwe
<i>Anguilla bicolor</i>	Anguillidae / Anguilliformes	NT	Abbe-Awash; Beilun; Buzi; Ca/Lam/Song-Koi; Congo; Dakatia; Digul; Feni; Fly; Ganges-Brahmaputra-Meghna; Giang Thanh; Golok; Han; Incomati; Irrawaddy; Jubba; Kaladan; Karnaphuli; Lake Chilwa; Lake Rukwa; Limpopo; Ma; Mamberano; Maputo; Matamuhuri; Mekong; Merauke; Naf; Natron; Nile; Orange; Pakchan; Pangani; Pearl; Rann of Kutch; Red/Song Hong; Ruvuma; Saigon/Song Nha Be; Salween; Sambas; Save; Sembakung; Sepik; Song Vam Co Dong; Turkana; Umba; Umbeluzi; Yalu; Zambezi	Bangladesh; Bhutan; Burundi; Cambodia; China; Democratic Republic of Congo; Djibouti; Eswatini; Ethiopia; India; Indonesia; Kenya; Laos; Lesotho; Malawi; Malaysia; Mozambique; Myanmar; Nepal; North Korea; Pakistan; Papua New Guinea; Rwanda; Somalia; South Africa; South Korea; South Sudan; Tanzania; Thailand; Uganda; Vietnam; Zambia; Zimbabwe
<i>Anguilla borneensis</i>	Anguillidae / Anguilliformes	VU	Sembakung	Indonesia; Malaysia
<i>Anguilla celebesensis</i>	Anguillidae / Anguilliformes	DD	Sembakung	Indonesia; Malaysia
<i>Anguilla interioris</i>	Anguillidae / Anguilliformes	DD	Mamberano; Sepik	Indonesia; Papua New Guinea
<i>Anguilla japonica</i>	Anguillidae / Anguilliformes	EN	Beilun; Han; Pearl; Red/Song Hong	China; North Korea; South Korea; Vietnam
<i>Anguilla megastoma</i>	Anguillidae / Anguilliformes	DD	Digul; Fly; Mamberano; Merauke; Sepik	Indonesia; Papua New Guinea
<i>Anguilla mossambica</i>	Anguillidae / Anguilliformes	NT	Buzi; Congo; Incomati; Jubba; Lake Chilwa; Lake Rukwa; Limpopo; Maputo; Natron; Nile; Orange; Pangani; Ruvuma; Save; Turkana; Umba; Umbeluzi; Zambezi	Burundi; Democratic Republic of Congo; Eswatini; Ethiopia; Kenya; Lesotho; Malawi; Mozambique; Rwanda; Somalia; South Africa; South Sudan; Tanzania; Uganda; Zambia; Zimbabwe
<i>Anguilla obscura</i>	Anguillidae / Anguilliformes	DD	Digul; Fly; Mamberano; Merauke; Sepik	Indonesia; Papua New Guinea

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Anguilla rostrata	Anguillidae / Anguilliformes	EN	Artibonite; Barima; Candelaria; Catatumbo; Changuinola; Coco; Hondo; Motagua; Orinoco; Rio Grande (North America); Saint Croix; Saint John (North America); Saint Lawrence; San Juan; Sarstoon; Sixaola	Belize; Canada; Colombia; Costa Rica; Dominican Republic; Guatemala; Guyana; Haiti; Honduras; Mexico; Nicaragua; Panama; United States of America; Venezuela
Aplochiton taeniatus	Galaxiidae / Galaxiiformes	LC	Puelo; Valdivia	Argentina; Chile
Arabibarbus grypus	Cyprinidae / Cypriniformes	VU	Tigris-Euphrates/Shatt al Arab	Iran; Iraq; Syria
Arapaima gigas	Arapaimidae / Osteoglossiformes	DD	Amazon; La Plata	Bolivia; Brazil; Colombia; Ecuador; Guyana; Peru
Arius maculatus	Ariidae / Siluriformes	NE	Mekong	Cambodia; Vietnam
Aspiolucius esocinus	Cyprinidae / Cypriniformes	EN	Amu Darya; Syr Darya	Afghanistan; Kyrgyzstan; Tajikistan; Turkmenistan; Uzbekistan
Astyanax symmetricus	Acestrorhynchidae / Characiformes	DD	Amazon	Brazil; Colombia; Peru
Atherina boyeri	Atherinidae / Atheriniformes	LC	Bidasoa; Buna; Guadiana; Minho; Neretva	Albania; Bosnia and Herzegovina; Croatia; France; Montenegro; Portugal; Spain
Auchenipterus nuchalis	Auchenipteridae / Siluriformes	LC	Amazon; Courantyne; Essequibo; Maroni; Orinoco; Oyapock	Bolivia; Brazil; Colombia; Ecuador; French Guiana; Guyana; Peru; Suriname; Venezuela
Bagarius bagarius	Sisoridae / Siluriformes	VU	Ganges-Brahmaputra-Meghna; Indus; Rann of Kutch	Afghanistan; Bangladesh; Bhutan; China; India; Myanmar; Nepal; Pakistan
Bagarius rutilus	Sisoridae / Siluriformes	DD	Ca/Lam/Song-Koi; Ma; Pearl; Red/Song Hong	China; Laos; Vietnam
Bagarius suchus	Sisoridae / Siluriformes	NT	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Bagarius yarrelli	Sisoridae / Siluriformes	VU	Ganges-Brahmaputra-Meghna; Mekong	Bangladesh; Cambodia; India; Laos; Myanmar; Nepal; Thailand; Vietnam
Bagrichthys majusculus	Bagridae / Siluriformes	DD	Mekong	Laos; Thailand
Barbus plebejus	Cyprinidae / Cypriniformes	NT	Po; Soca	Italy; Slovenia; Switzerland
Barbus prespensis	Cyprinidae / Cypriniformes	NT	Vjosa	Albania; Greece
Brachymystax lenok	Salmonidae / Salmoniformes	LC	Amur; Burla; Han; Karasuk-Studenoye; Malinovoye; Ob; Sujfun; Torey Lakes; Tumen; Ul Kensor; Uureg; Uvs/Ubsa-Nur; Yalu; Yenisey	China; Kazakhstan; Mongolia; North Korea; Russia; South Korea
Brachyplatystoma capapretum	Pimelodidae / Siluriformes	NT	Amazon	Brazil; Colombia; Peru

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Brachyplatystoma filamentosum	Pimelodidae / Siluriformes	LC	Amazon; Courantyne; Essequibo; Maroni; Orinoco; Oyapock	Bolivia; Brazil; Colombia; Ecuador; French Guiana; Guyana; Peru; Suriname; Venezuela
Brycinus leuciscus	Alestidae / Characiformes	LC	Aby Lagoon-Bia-Tano; Chad; Corubal; Gambia; Geba; Komoe; Mono; Niger; Senegal; Volta	Benin; Burkina Faso; Cameroon; Chad; Côte d'Ivoire; Gambia; Ghana; Guinea; Guinea-Bissau; Mali; Mauritania; Niger; Nigeria; Senegal; Togo
Brycon atrocaudatus	Bryconidae / Characiformes	LC	Amazon; Chira; Tumbes; Zarumilla	Ecuador; Peru
Brycon orbignyanus	Bryconidae / Characiformes	EN	La Plata	Argentina; Brazil; Paraguay; Uruguay
Brycon whitei	Bryconidae / Characiformes	LC	Orinoco	Colombia; Venezuela
Capoeta barroisi	Cyprinidae / Cypriniformes	EN	Orontes	Syria; Türkiye
Catlocarpio siamensis	Cyprinidae / Cypriniformes	CR	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Catostomus platyrhynchus	Catostomidae / Cypriniformes	LC	Columbia; Mississippi; Skagit	Canada; United States of America
Chanda nama	Ambassidae / Perciformes	LC	Dakatia; Ganges-Brahmaputra-Meghna; Indus; Karnaphuli	Bangladesh; India; Nepal; Pakistan
Channa argus	Channidae / Anabantiformes	LC	Amur	China; Russia
Channa barca	Channidae / Anabantiformes	DD	Ganges-Brahmaputra-Meghna	Bangladesh; India
Chelon auratus	Mugilidae / Mugiliformes	NT	An Nahr Al Kabir; Besor; Bidasoa; Buna; Coruh; Danube; Erne; Foyle; Guadiana; Iddefjord; Lima; Maritsa; Minho; Neretva; Newry; Senegal; Vida	Albania; Bosnia and Herzegovina; Croatia; Denmark; France; Georgia; Germany; Greece; Ireland; Israel; Lebanon; Mauritania; Montenegro; Norway; Portugal; Romania; Senegal; Spain; State of Palestine; Sweden; Syria; Türkiye; Ukraine; United Kingdom
Chelon dumerili	Mugilidae / Mugiliformes	DD	Kunene; Mono; Oueme; Senegal	Angola; Benin; Mauritania; Namibia; Nigeria; Senegal; Togo
Chelon labrosus	Mugilidae / Mugiliformes	NT	An Nahr Al Kabir; Besor; Bidasoa; Buna; Coruh; Danube; Erne; Foyle; Gambia; Guadiana; Iddefjord; Lima; Maritsa; Minho; Neretva; Newry; Senegal; Vida	Albania; Bosnia and Herzegovina; Croatia; Denmark; France; Gambia; Georgia; Germany; Greece; Ireland; Israel; Lebanon; Mauritania; Montenegro; Norway; Portugal; Romania; Senegal; Spain; State of Palestine; Sweden; Syria; Türkiye; Ukraine; United Kingdom
Chelon ramada	Mugilidae / Mugiliformes	NT	An Nahr Al Kabir; Besor; Bidasoa; Buna; Coruh; Danube; Erne; Foyle; Guadiana; Iddefjord; Lima; Maritsa; Minho; Neretva; Newry; Senegal; Vida	Albania; Bosnia and Herzegovina; Croatia; Denmark; France; Georgia; Germany; Greece; Ireland; Israel; Lebanon; Mauritania; Montenegro; Norway; Romania;

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
				Senegal; Spain; State of Palestine; Portugal; Sweden; Syria; Türkiye; Ukraine; United Kingdom
<i>Chelon richardsonii</i>	Mugilidae / Mugiliformes	NE	Kunene; Okavango; Orange	Angola; Namibia; South Africa
<i>Chelon saliens</i>	Mugilidae / Mugiliformes	NT	Aby Lagoon-Bia-Tano; Akwayafe; An Nahr Al Kabir; Besor; Bidasoa; Buna; Cavally; Congo; Coruh; Danube; Great Scarries; Guadiana; Mano; Maritsa; Mono; Neretva; Ntem; Oueme; Senegal	Albania; Angola; Benin; Bosnia and Herzegovina; Cameroon; Côte d'Ivoire; Croatia; Democratic Republic of Congo; Equatorial Guinea; France; Georgia; Ghana; Greece; Guinea; Israel; Lebanon; Liberia; Mauritania; Montenegro; Nigeria; State of Palestine; Portugal; Romania; Senegal; Sierra Leone; Spain; Syria; Togo; Türkiye; Ukraine
<i>Chelon tricuspidens</i>	Mugilidae / Mugiliformes	NE	Kunene	Angola; Namibia
<i>Chilobrycon deuterodon</i>	Characidae / Characiformes	NT	Tumbes	Ecuador; Peru
<i>Chiloglanis bifurcus</i>	Mochokidae / Siluriformes	CR	Incomati	Eswatini; South Africa
<i>Chiloglanis emarginatus</i>	Mochokidae / Siluriformes	VU	Incomati; Maputo; Umbeluzi	Eswatini; Mozambique; South Africa
<i>Chitala blanci</i>	Notopteridae / Osteoglossiformes	NT	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Chondrostoma kinzelbachi</i>	Leuciscidae / Cypriniformes	EN	An Nahr Al Kabir; Orontes; Tigris-Euphrates/Shatt al Arab	Lebanon; Syria; Türkiye
<i>Chondrostoma nasus</i>	Leuciscidae / Cypriniformes	NT	Danube; Dnieper; Dniestr; Elbe; IJsselmeer; Meuse; Neman; Oder; Pregolya; Rhine; Vistula	Kosovo; Liechtenstein; Lithuania; Luxembourg; Moldova; Montenegro; Netherlands; Poland; Romania; Russia; Russia (Kaliningrad); Serbia; Slovakia; Slovenia; Switzerland; Ukraine
<i>Chondrostoma soetta</i>	Leuciscidae / Cypriniformes	CR	Po	Italy; Switzerland
<i>Chromobotia macracanthus</i>	Bottiidae / Cypriniformes	LC	Sambas; Sembakung	Indonesia; Malaysia
<i>Cirrhinus jullieni</i>	Cyprinidae / Cypriniformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Cirrhinus microlepis</i>	Cyprinidae / Cypriniformes	VU	Mekong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Cirrhinus molitorella</i>	Cyprinidae / Cypriniformes	NT	Mekong; Pearl; Red/Song Hong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; China; Laos; Thailand; Vietnam
<i>Citharinus eburneensis</i>	Citharinidae / Characiformes	LC	Aby Lagoon-Bia-Tano; Komoe	Burkina Faso; Côte d'Ivoire; Ghana

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Clarias macrocephalus</i>	Clariidae / Siluriformes	DD	Golok; Mekong; Pakchan; Song Vam Co Dong	Cambodia; Laos; Malaysia; Myanmar; Thailand; Vietnam
<i>Clarias magur</i>	Clariidae / Siluriformes	EN	Dakatia; Feni; Ganges-Brahmaputra-Meghna	Bangladesh; India
<i>Clarias meladerma</i>	Clariidae / Siluriformes	LC	Golok; Sambas	Indonesia; Malaysia; Thailand
<i>Clupisoma naziri</i>	Aliidae / Siluriformes	NT	Indus	Afghanistan; India; Pakistan
<i>Coilia mystus</i>	Engraulidae / Clupeiformes	EN	Han	North Korea; South Korea
<i>Coilia nasus</i>	Engraulidae / Clupeiformes	EN	Han; Tumen; Yalu	China; North Korea; Russia; South Korea
<i>Coilia ramcarati</i>	Engraulidae / Clupeiformes	DD	Naf	Bangladesh; Myanmar
<i>Colossoma macropomum</i>	Serrasalminidae / Characiformes	NT	Amazon; Catatumbo; Essequibo; La Plata; Orinoco	Bolivia; Brazil; Colombia; Guyana; Peru; Venezuela
<i>Coregonus albula</i>	Salmonidae / Salmoniformes	LC	Angerman; Barta; Daugava; Firth; Gauja; Gota alv; Iddefjord; Indalsalven; Kem; Kemi; Lielupe; Narva; Neman; Neva; Oder; Paatsjoki; Peschanaya; Pregolya; Torne; Ume; Venta; Vistula; Yukon	Belarus; Canada; Estonia; Finland; Germany; Russia (Kaliningrad); Latvia; Lithuania; Norway; Poland; Russia; Sweden; United States of America (Alaska)
<i>Coregonus nelsonii</i>	Salmonidae / Salmoniformes	NE	Yukon	Canada; United States of America (Alaska)
<i>Coregonus pidschian</i>	Salmonidae / Salmoniformes	LC	Burla; Copper; Ebeyty; Firth; Karasuk-Studenoye; Kem; Malinovoye; Naatamo; Ob; Paatsjoki; Tuloma; Ul Kensor; Yenisey; Yukon	Canada; China; Finland; Kazakhstan; Mongolia; Norway; Russia; United States of America (Alaska)
<i>Coregonus tugun</i>	Salmonidae / Salmoniformes	LC	Burla; Ebeyty; Karasuk-Studenoye; Ob; Ul Kensor; Yenisey	Kazakhstan; Mongolia; Russia
<i>Cosmochilus harmandi</i>	Cyprinidae / Cypriniformes	LC	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
<i>Cycleptus elongatus</i>	Catostomidae / Cypriniformes	LC	Rio Grande (North America)	Mexico; United States of America
<i>Cyclocheilichthys enoplos</i>	Cyprinidae / Cypriniformes	LC	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Cynoglossus gracilis</i>	Cynoglossidae / Pleuronectiformes	DD	Han	North Korea; South Korea
<i>Cyphocharax magdalenae</i>	Curimatidae / Characiformes	LC	Catatumbo; Chiriqui Viejo	Colombia; Costa Rica; Panama; Venezuela
<i>Cyprinion macrostomum</i>	Cyprinidae / Cypriniformes	LC	Orontes; Tigris-Euphrates/Shatt al Arab	Iran; Iraq; Syria; Türkiye

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Cyprinus carpio</i>	Cyprinidae / Cypriniformes	LC	Amu Darya; Atrek; Botkul-Solyonaya; Coruh; Danube; Dnieper; Dniestr; Don; Kura; Mius; Samur; Syr Darya; Terek; Ural; Volga	Kosovo; Kyrgyzstan; Moldova; Montenegro; Romania; Russia; Serbia; Slovakia; Slovenia; Switzerland; Tajikistan; Türkiye; Turkmenistan; Ukraine; Uzbekistan
<i>Datnioides pulcher</i>	Datnioididae / Lobotiformes	CR	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Datnioides undecimradiatus</i>	Datnioididae / Lobotiformes	VU	Mekong; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
<i>Dicentrarchus labrax</i>	Moronidae / Perciformes	NT	An Nahr Al Kabir; Besor; Bidasoa; Buna; Danube; Guadiana; Maritsa; Minhø; Neretva; Newry; Vida	Albania; Bosnia and Herzegovina; Croatia; Denmark; France; Germany; Greece; Ireland; Israel; Lebanon; Montenegro; Portugal; Romania; Spain; State of Palestine; Syria; Türkiye; Ukraine; United Kingdom
<i>Diptychus maculatus</i>	Cyprinidae / Cypriniformes	LC	Balkhash-Ili; Ganges-Brahmaputra-Meghna; Indus; Syr Darya; Talas; Tarim	China; India; Kazakhstan; Kyrgyzstan; Nepal; Pakistan; Tajikistan; Uzbekistan
<i>Doraops zuloagai</i>	Doradidae / Siluriformes	LC	Catatumbo	Colombia; Venezuela
<i>Elops hawaiiensis</i>	Elopidae / Elopiformes	DD	Beilun; Giang Thanh; Golok	Cambodia; China; Malaysia; Thailand; Vietnam
<i>Elops senegalensis</i>	Elopidae / Elopiformes	DD	Aby Lagoon-Bia-Tano; Akwayafe; Cavally; Chiloango; Congo; Cross; Great Scarcies; Mano; Mono; Muni; Ntem; Oueme; Senegal; Volta	Angola; Benin; Cameroon; Côte d'Ivoire; Democratic Republic of Congo; Equatorial Guinea; Gabon; Ghana; Guinea; Liberia; Mauritania; Nigeria; Senegal; Sierra Leone; Togo
<i>Enteromius brevipinnis</i>	Cyprinidae / Cypriniformes	NT	Incomati; Maputo	Eswatini; Mozambique; South Africa
<i>Enteromius gurneyi</i>	Cyprinidae / Cypriniformes	VU	Incomati	Eswatini; South Africa
<i>Enteromius liberiensis</i>	Cyprinidae / Cypriniformes	EN	Mano	Liberia; Sierra Leone
<i>Enteromius litamba</i>	Cyprinidae / Cypriniformes	DD	Zambezi	Malawi; Mozambique; Tanzania
<i>Enteromius motebensis</i>	Cyprinidae / Cypriniformes	NT	Limpopo	Botswana; South Africa
<i>Entosphenus tridentatus</i>	Petromyzontidae / Petromyzontiformes	LC	Alsek; Copper; Stikine	Canada; United States of America (Alaska)
<i>Epalzeorhynchus frenatum</i>	Cyprinidae / Cypriniformes	LC	Mekong; Song Vam Co Dong	Cambodia; Laos; Myanmar; Thailand; Vietnam
<i>Esomus longimanus</i>	Cyprinidae / Cypriniformes	DD	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Myanmar; Thailand; Vietnam
<i>Esox lucius</i>	Esocidae / Esociformes	LC	Alsek; Angerman; Barta; Botkul-Solyonaya; Burla; Coruh; Danube; Daugava; Dnieper; Dniestr; Don; Ebeyty; Elbe;	Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Moldova; Mongolia; Montenegro; Netherlands; Norway;

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			Erne; Firth; Foyle; Gauja; Gota alv; Iddefjord; IJsselmeer; Indalsalven; Karasuk-Studenoye; Kem; Kemi; Kura; Lielupe; Malinovoye; Meuse; Mius; Narva; Nelson; Neman; Neva; Newry; Ob; Oder; Peschanaya; Pregolya; Rhine; Rhone; Saint Lawrence; Samur; Scheldt; Terek; Torne; UI Kensor; Ume; Ural; Venta; Vida; Vistula; Volga; Yenisey; Yukon	Poland; Romania; Russia; Russia (Kaliningrad); Serbia; Slovakia; Slovenia; Sweden; Switzerland; Türkiye; Ukraine; United Kingdom; United States of America; United States of America (Alaska);
<i>Eudontomyzon morii</i>	Petromyzontidae / Petromyzontiformes	NE	Yalu	China; North Korea
<i>Eutropiichthys vacha</i>	Schilbeidae / Siluriformes	LC	Ganges-Brahmaputra-Meghna; Karnaphuli	Bangladesh; India; Nepal
<i>Fluvitrygon oxyrhynchus</i>	Dasyatidae / Myliobatiformes	EN	Mekong	Cambodia; Laos; Vietnam
<i>Fluvitrygon signifer</i>	Dasyatidae / Myliobatiformes	EN	Golok	Malaysia; Thailand
<i>Genidens barbatus</i>	Ariidae / Siluriformes	NE	Lagoon Mirim	Brazil; Uruguay
<i>Geotria macrostoma</i>	Geotriidae / Petromyzontiformes	LC	Azopardo; Gallegos-Chico; Rio Grande (South America)	Argentina; Chile
<i>Gila elegans</i>	Leuciscidae / Cypriniformes	CR	Colorado	Mexico; United States of America
<i>Gonialosa modesta</i>	Clupeidae / Clupeiformes	DD	Pakchan; Salween	Myanmar; Thailand
<i>Gonialosa whiteheadi</i>	Clupeidae / Clupeiformes	DD	Pakchan	Myanmar; Thailand
<i>Gudusia chapra</i>	Clupeidae / Clupeiformes	LC	Ganges-Brahmaputra-Meghna; Indus; Karnaphuli	Bangladesh; India; Nepal; Pakistan
<i>Gymnogobius castaneus</i>	Gobiidae / Gobiiformes	LC	Han	North Korea; South Korea
<i>Gyrinocheilus aymonieri</i>	Gyrinocheilidae / Cypriniformes	LC	Mekong	Cambodia; Vietnam
<i>Helicophagus leptorhynchus</i>	Pangasiidae / Siluriformes	DD	Mekong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Hemibagrus filamentus</i>	Bagridae / Siluriformes	DD	Mekong; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
<i>Hemibagrus guttatus</i>	Bagridae / Siluriformes	DD	Ma; Pearl; Red/Song Hong	China; Laos; Vietnam
<i>Hemibagrus microphthalmus</i>	Bagridae / Siluriformes	LC	Irrawaddy; Salween	China; India; Myanmar; Thailand
<i>Hemistrygon laosensis</i>	Dasyatidae / Myliobatiformes	EN	Mekong	Cambodia; Laos; Myanmar; Thailand

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<i>Henicorhynchus caudimaculatus</i>	Cyprinidae / Cypriniformes	NE	Mekong	Laos; Thailand
<i>Henicorhynchus entmema</i>	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Laos; Myanmar; Thailand
<i>Henicorhynchus ornatipinnis</i>	Cyprinidae / Cypriniformes	NE	Mekong	Laos; Thailand
<i>Henicorhynchus siamensis</i>	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
<i>Himantura marginata</i>	Dasyatidae / Myliobatiformes	NE	Mono; Oueme	Benin; Nigeria; Togo
<i>Hoplias aimara</i>	Erythrinidae / Characiformes	LC	Amazon; Barima; Courantyne; Essequibo; Maroni; Orinoco; Oyapock	Brazil; Colombia; French Guiana; Guyana; Suriname; Venezuela
<i>Hucho hucho</i>	Salmonidae / Salmoniformes	VU	Danube	Austria; Bosnia and Herzegovina; Croatia; Germany; Hungary; Montenegro; Romania; Serbia; Slovakia; Slovenia; Switzerland; Ukraine
<i>Hucho taimen</i>	Salmonidae / Salmoniformes	VU	Amur; Burla; Ebeyty; Karasuk-Studenoye; Malinovoye; Ob; Sujfun; Torey Lakes; Ul Kensor; Yenisey	China; Kazakhstan; Mongolia; Russia
<i>Hypophthalmichthys molitrix</i>	Cyprinidae / Cypriniformes	NT	Amur; Danube; Dniestr; La Plata; Meuse; Rhine; Scheldt; Tumen; Volga	Argentina; Austria; Belgium; Brazil; Bulgaria; China; France; Germany; Hungary; Kazakhstan; Moldova; North Korea; Romania; Russia; Serbia; Slovakia; Ukraine
<i>Hyporhamphus intermedius</i>	Hemiramphidae / Beloniformes	NE	Han	North Korea; South Korea
<i>Hyporhamphus sajori</i>	Hemiramphidae / Beloniformes	NE	Tumen	China; North Korea; Russia
<i>Hypsibarbus lagleri</i>	Cyprinidae / Cypriniformes	VU	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Hypsibarbus pierrei</i>	Cyprinidae / Cypriniformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Ichthyoelephas humeralis</i>	Prochilodontidae / Characiformes	NT	Mira	Colombia; Ecuador
<i>Ilisha novacula</i>	Pristigasteridae / Clupeiformes	DD	Irrawaddy	China; India; Myanmar
<i>Incisilabeo behri</i>	Cyprinidae / Cypriniformes	VU	Mekong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Johnius gangeticus</i>	Sciaenidae / Acanthuriformes	DD	Ganges-Brahmaputra-Meghna	Bangladesh; India; Nepal
<i>Joturus pichardi</i>	Eleotridae / Gobiiformes	LC	Belize; Changuinola; Coco; Hondo; Motagua; San Juan; Sixaola	Belize; Costa Rica; Guatemala; Honduras; Mexico; Nicaragua; Panama

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Kryptopterus dissitus	Siluridae / Siluriformes	DD	Mekong	Cambodia; Laos; Vietnam
Kryptopterus paraschilbeides	Siluridae / Siluriformes	DD	Mekong	Cambodia; Vietnam
Kyataphisa caelata	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Vietnam
Labeo mesops	Cyprinidae / Cypriniformes	CR	Zambezi	Malawi; Mozambique
Labeo pangusia	Cyprinidae / Cypriniformes	NT	Ganges-Brahmaputra-Meghna	Bhutan; India; Nepal
Labeo pierrei	Cyprinidae / Cypriniformes	VU	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Vietnam
Labeo ruddi	Cyprinidae / Cypriniformes	DD	Incomati; Limpopo; Umbeluzi	Botswana; Eswatini; Mozambique; South Africa; Zimbabwe
Labeo victorianus	Cyprinidae / Cypriniformes	LC	Nile	Burundi; Kenya; Rwanda; Tanzania; Uganda
Labeobarbus johnstonii	Cyprinidae / Cypriniformes	LC	Zambezi	Malawi; Mozambique; Tanzania
Labeobarbus kimberleyensis	Cyprinidae / Cypriniformes	NT	Orange	Lesotho; Namibia; South Africa
Labeobarbus nelspruitensis	Cyprinidae / Cypriniformes	NT	Incomati; Maputo	Eswatini; Mozambique; South Africa
Labiobarbus lineatus	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Laos; Thailand; Vietnam
Lampetra fluviatilis	Petromyzontidae / Petromyzontiformes	NT	Angerman; Barta; Daugava; Elbe; Erne; Foyle; Gauja; Gota alv; Iddefjord; IJsselmeer; Indalsalven; Kemi; Lielupe; Meuse; Narva; Neman; Neva; Newry; Oder; Peschanaya; Pregolya; Rhine; Torne; Ume; Venta; Vida; Vistula	Belarus; Belgium; Czech Republic; Denmark; Estonia; Finland; France; Germany; Ireland; Latvia; Lithuania; Luxembourg; Netherlands; Norway; Poland; Russia; Russia (Kaliningrad); Slovakia; Sweden; Switzerland; Ukraine; United Kingdom
Lampetra planeri	Petromyzontidae / Petromyzontiformes	NT	Angerman; Barta; Daugava; Elbe; Erne; Foyle; Gauja; Gota alv; Iddefjord; IJsselmeer; Indalsalven; Kemi; Lielupe; Meuse; Narva; Neman; Neva; Newry; Oder; Peschanaya; Pregolya; Rhine; Rhone; Scheldt; Torne; Ume; Venta; Vida; Vistula	Austria; Belarus; Belgium; Czech Republic; Denmark; Estonia; Finland; France; Germany; Ireland; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Russia; Russia (Kaliningrad); Slovakia; Sweden; Switzerland; Ukraine; United Kingdom
Laubuka caeruleostigmata	Cyprinidae / Cypriniformes	EN	Mekong; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Leiarius longibarbis	Pimelodidae / Siluriformes	DD	Amazon	Brazil; Peru

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Leporinus bimaculatus	Anostomidae / Characiformes	DD	Amazon	Brazil; Colombia; Peru
Leporinus bleheri	Anostomidae / Characiformes	DD	Amazon	Bolivia; Brazil
Leptobarbus rubripinna	Cyprinidae / Cypriniformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
Leucopsarion petersii	Osmeridae / Osmeriformes	LC	Han	North Korea; South Korea
Liza grandisquamis	Mugilidae / Mugiliformes	DD	Ntem; Senegal	Cameroon; Equatorial Guinea; Mauritania; Senegal
Lobocheilos cryptopogon	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Laos; Vietnam
Luciobarbus brachycephalus	Cyprinidae / Cypriniformes	EN	Amu Darya; Kura; Samur; Syr Darya	Afghanistan; Azerbaijan; Georgia; Iran; Kazakhstan; Kyrgyzstan; Russia; Tajikistan; Turkmenistan; Uzbekistan
Luciobarbus capito	Cyprinidae / Cypriniformes	VU	Atrek; Kura; Samur; Terek; Volga	Armenia; Azerbaijan; Georgia; Iran; Kazakhstan; Russia; Türkiye; Turkmenistan
Luciobarbus caspius	Cyprinidae / Cypriniformes	LC	Kura; Samur; Terek; Volga	Armenia; Azerbaijan; Georgia; Iran; Kazakhstan; Russia; Türkiye
Luciobarbus esocinus	Cyprinidae / Cypriniformes	VU	Tigris-Euphrates/Shatt al Arab	Iran; Iraq; Syria; Türkiye
Luciobarbus graellsii	Cyprinidae / Cypriniformes	NT	Ebro	Andorra; Spain
Luciobarbus longiceps	Cyprinidae / Cypriniformes	EN	Jordan/Dead Sea	Israel; Jordan; State of Palestine; Syria
Luciobarbus subquincunciatus	Cyprinidae / Cypriniformes	CR	Tigris-Euphrates/Shatt al Arab	Iran; Iraq; Syria; Türkiye
Luciobrama macrocephalus	Cyprinidae / Cypriniformes	DD	Red/Song Hong	China; Vietnam
Luciocyprinus langsoni	Cyprinidae / Cypriniformes	VU	Pearl; Red/Song Hong	China; Vietnam
Luciocyprinus striolatus	Cyprinidae / Cypriniformes	EN	Mekong	China; Laos; Myanmar; Thailand
Lutjanus goldiei	Lutjanidae / Lutjaniformes	NE	Fly	Indonesia; Papua New Guinea
Macrhybopsis aestivalis	Leuciscidae / Cypriniformes	LC	Rio Grande (North America)	Mexico; United States of America
Macrochirichthys macrochirus	Cyprinidae / Cypriniformes	LC	Ca/Lam/Song-Koi; Giang Thanh; Golok; Ma; Mekong; Red/Song Hong; Saigon/Song Nha Be; Salween; Sambas; Sembakung; Song Vam Co Dong	Cambodia; China; Indonesia; Laos; Malaysia; Myanmar; Thailand; Vietnam

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Macrospinosa cuja	Ariidae / Siluriformes	DD	Naf	Bangladesh; Myanmar
Mallotus villosus	Osmeridae / Osmeriformes	NE	Paatsjoki	Norway; Russia
Mastacembelus erythrotaenia	Mastacembelidae / Synbranchiformes	LC	Mekong; Song Vam Co Dong	Cambodia; Vietnam
Mastacembelus undulatus	Mastacembelidae / Synbranchiformes	DD	Ma; Pearl; Red/Song Hong	China; Laos; Vietnam
Megalops atlanticus	Megalopidae / Elopiformes	VU	Hondo; Oyapock; San Juan; Sixaola	Belize; Brazil; Costa Rica; French Guiana; Mexico; Nicaragua; Panama
Megalops cyprinoides	Megalopidae / Elopiformes	DD	Beilun; Dakatia; Feni; Ganges-Brahmaputra-Meghna; Giang Thanh; Golok; Matamuhuri; Naf; Ruvuma; Umba	Bangladesh; Cambodia; China; India; Kenya; Malaysia; Mozambique; Myanmar; Tanzania; Thailand; Vietnam
Mekongina erythrospila	Cyprinidae / Cypriniformes	NT	Mekong	Cambodia; Laos; Thailand; Vietnam
Membras vagrans	Atherinopsidae / Atheriniformes	DD	Rio Grande (North America)	Mexico; United States of America
Metynnis orinocensis	Serrasalmididae / Characiformes	DD	Orinoco	Colombia; Venezuela
Micronema cheveyi	Siluridae / Siluriformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
Mugil cephalus	Mugilidae / Mugiliformes	LC	An Nahr Al Kabir; Beilun; Besor; Bidasoa; Buna; Congo; Coruh; Danube; Dniestr; Douro; Gambia; Giang Thanh; Goascoran; Golok; Guadiana; Jordan/Dead Sea; Jurado; Kunene; Kura; Lima; Mano; Maritsa; Medjerda; Minho; Mius; Negro (North America); Neretva; Nestos; Orange; Orontes; Rio Grande (North America); Ruvuma; Senegal; Soca; Struma; Tijuana; Tumbes; Umba; Vardar; Vjosa; Zarumilla	Albania; Algeria; Angola; Bosnia and Herzegovina; Bulgaria; Cambodia; China; Colombia; Croatia; Democratic Republic of Congo; Ecuador; El Salvador; France; Gambia; Georgia; Greece; Honduras; Israel; Italy; Jordan; Kenya; Lebanon; Liberia; Malaysia; Mauritania; Mexico; Moldova; Montenegro; Mozambique; Namibia; Nicaragua; North Macedonia; Panama; Peru; Portugal; Romania; Russia; Senegal; Sierra Leone; Slovenia; South Africa; Spain; State of Palestine; Syria; Tanzania; Thailand; Tunisia; Türkiye; Ukraine; United States of America; Vietnam
Myleus pacu	Serrasalmididae / Characiformes	NT	Amazon; Courantyne; Essequibo	Brazil; Guyana; Suriname; Venezuela
Myloplus planquettei	Serrasalmididae / Characiformes	VU	Maroni	French Guiana; Suriname
Mystus bocourti	Bagridae / Siluriformes	VU	Mekong	Cambodia; Laos; Thailand
Mystus cavasius	Bagridae / Siluriformes	LC	Ganges-Brahmaputra-Meghna	Bangladesh; Bhutan; India

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<i>Mystus rhegma</i>	Bagridae / Siluriformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Myxus elongatus</i>	Mugilidae / Mugiliformes	NE	Buna	Albania; Montenegro
<i>Namaquacypris hospes</i>	Cyprinidae / Cypriniformes	NE	Orange	Namibia; South Africa
<i>Naziritor chelynooides</i>	Cyprinidae / Cypriniformes	NE	Ganges-Brahmaputra-Meghna	India; Nepal
<i>Neochelon falcipinnis</i>	Mugilidae / Mugiliformes	DD	Aby Lagoon-Bia-Tano; Chiloango; Congo; Gambia; Kunene; Mono; Muni; Niger; Ntem; Oueme; Volta	Angola; Benin; Cameroon; Côte d'Ivoire; Democratic Republic of Congo; Equatorial Guinea; Gabon; Gambia; Ghana; Namibia; Niger; Nigeria; Senegal; Togo
<i>Neolissochilus blanci</i>	Cyprinidae / Cypriniformes	NT	Ca/Lam/Song-Koi; Mekong; Red/Song Hong; Salween	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Neolissochilus hexagonolepis</i>	Cyprinidae / Cypriniformes	NT	Ganges-Brahmaputra-Meghna	Bangladesh; Bhutan; India; Nepal
<i>Neosalanx brevirostris</i>	Salangidae / Osmeriformes	DD	Beilun; Han; Ma; Pearl; Red/Song Hong; Yalu	China; Laos; North Korea; South Korea; Vietnam
<i>Neosalanx hubbsi</i>	Salangidae / Osmeriformes	DD	Han	North Korea; South Korea
<i>Neosalanx jordani</i>	Salangidae / Osmeriformes	LC	Yalu	China; North Korea
<i>Notropis jemezianus</i>	Leuciscidae / Cypriniformes	LC	Rio Grande (North America)	Mexico; United States of America
<i>Odontesthes hatcheri</i>	Atherinopsidae / Atheriniformes	VU	Baker; Puelo	Argentina; Chile
<i>Ompok bimaculatus</i>	Siluridae / Siluriformes	NT	Dakatia; Feni; Ganges-Brahmaputra-Meghna; Indus; Irrawaddy; Kaladan; Karnaphuli; Matamuhuri; Naf; Rann of Kutch	Afghanistan; Bangladesh; Bhutan; China; India; Myanmar; Nepal; Pakistan
<i>Ompok pabda</i>	Siluridae / Siluriformes	NT	Ganges-Brahmaputra-Meghna	Bangladesh; India
<i>Ompok pinnatus</i>	Siluridae / Siluriformes	DD	Mekong; Song Vam Co Dong	Cambodia; Vietnam
<i>Oncorhynchus clarkii</i>	Salmonidae / Salmoniformes	LC	Alsek; Chilkat; Columbia; Copper; Skagit; Stikine; Taku; Whiting	Canada; United States of America; United States of America (Alaska)
<i>Opsaridium microcephalum</i>	Cyprinidae / Cypriniformes	LC	Zambezi	Malawi; Mozambique; Tanzania
<i>Opsaridium microlepis</i>	Cyprinidae / Cypriniformes	VU	Zambezi	Malawi; Mozambique; Tanzania

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Opsarius bendelisis	Cyprinidae / Cypriniformes	NE	Ganges-Brahmaputra-Meghna	Bangladesh; India; Nepal
Oreochromis macrochir	Cichlidae / Cichliformes	VU	Buzi; Etosha-Cuvelai; Kunene; Okavango; Zambezi	Angola; Botswana; Mozambique; Namibia; Zambia; Zimbabwe
Oreochromis mossambicus	Cichlidae / Cichliformes	VU	Buzi; Incomati; Limpopo; Maputo; Okavango; Save; Umbeluzi; Zambezi	Botswana; Eswatini; Malawi; Mozambique; South Africa; Zambia; Zimbabwe
Osphronemus exodon	Osphronemidae / Anabantiformes	VU	Mekong; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Osteobrama belangeri	Cyprinidae / Cypriniformes	NT	Irrawaddy; Salween	China; India; Myanmar; Thailand
Osteochilus melanopleurus	Cyprinidae / Cypriniformes	NE	Mekong	Cambodia; Laos; Thailand; Vietnam
Osteochilus schlegelii	Cyprinidae / Cypriniformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
Osteoglossum bicirrhosum	Osteoglossidae / Osteoglossiformes	LC	Amazon; Orinoco; Oyapock	Bolivia; Brazil; Colombia; Ecuador; French Guiana; Guyana; Peru; Venezuela
Osteomugil cunnesius	Mugilidae / Mugiliformes	NE	Save	Mozambique; Zimbabwe
Otolithoides biauritus	Sciaenidae / Acanthuriformes	DD	Naf	Bangladesh; Myanmar
Otolithoides pama	Sciaenidae / Acanthuriformes	DD	Naf	Bangladesh; Myanmar
Oxygaster pointoni	Cyprinidae / Cypriniformes	VU	Mekong; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Pangasianodon hypophthalmus	Pangasiidae / Siluriformes	EN	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Pangasius bocourti	Pangasiidae / Siluriformes	LC	Mekong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
Pangasius conchophilus	Pangasiidae / Siluriformes	LC	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Pangasius elongatus	Pangasiidae / Siluriformes	DD	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Pangasius krempfi	Pangasiidae / Siluriformes	VU	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Pangasius larnaudii	Pangasiidae / Siluriformes	LC	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Pangasius pangasius	Pangasiidae / Siluriformes	LC	Ganges-Brahmaputra-Meghna; Mekong	Bangladesh; Cambodia; India; Laos; Thailand

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Pangasius sanitwongsei	Pangasiidae / Siluriformes	CR	Mekong; Song Vam Co Dong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Pantosteus plebeius	Catostomidae / Cypriniformes	DD	Colorado; Rio Grande (North America); Yaqui	Mexico; United States of America
Parabramis pekinensis	Cyprinidae / Cypriniformes	LC	Amur; Beilun; Pearl	China; Russia; Vietnam
Parachondrostoma miegii	Leuciscidae / Cypriniformes	NT	Bidasoa; Ebro	Andorra; France; Spain
Parachromis dovii	Cichlidae / Cichliformes	LC	Choluteca; Coco; Negro (North America); San Juan	Costa Rica; Honduras; Nicaragua
Percichthys trucha	Percichthyidae / Perciformes	LC	Baker; Gallegos-Chico; Puelo; Valdivia; Yelcho	Argentina; Chile
Petromyzon marinus	Petromyzontidae / Petromyzontiformes	LC	Barta; Bidasoa; Buna; Elbe; Erne; Foyle; Guadiana; Iddefjord; IJsselmeer; Lima; Medjerda; Meuse; Minho; Naatamo; Narva; Neman; Neretva; Newry; Oder; Paatsjoki; Pregolya; Rhine; Saint Croix; Saint Lawrence; Scheldt; Vida; Vistula	Albania; Algeria; Belgium; Bosnia and Herzegovina; Canada; Croatia; Czech Republic; Denmark; Estonia; Finland; France; Germany; Ireland; Latvia; Lithuania; Luxembourg; Montenegro; Netherlands; Norway; Poland; Portugal; Russia; Russia (Kaliningrad); Slovakia; Spain; Sweden; Switzerland; Tunisia; United Kingdom; United States of America
Piaractus mesopotamicus	Serrasalminidae / Characiformes	NT	La Plata	Argentina; Bolivia; Brazil; Paraguay
Piaractus orinoquensis	Serrasalminidae / Characiformes	VU	Orinoco	Colombia; Venezuela
Plagioscion surinamensis	Sciaenidae / Acanthuriformes	DD	Amazon	Bolivia; Brazil
Planiliza haematocheila	Mugilidae / Mugiliformes	NE	Han	North Korea; South Korea
Planiliza melinopterus	Mugilidae / Mugiliformes	NE	Tigris-Euphrates/Shatt al Arab	Iran; Iraq
Planiliza tade	Mugilidae / Mugiliformes	DD	Aby Lagoon-Bia-Tano; Beilun; Giang Thanh; Golok; Matamuhuri; Naf; Orange	Bangladesh; Cambodia; China; Côte d'Ivoire; Ghana; Malaysia; Myanmar; Namibia; South Africa; Thailand; Vietnam
Platygobio gracilis	Leuciscidae / Cypriniformes	LC	Mississippi	Canada; United States of America
Platysilurus malarmo	Pimelodidae / Siluriformes	NE	Amazon; Catatumbo; Orinoco	Bolivia; Colombia; Peru; Venezuela
Plecoglossus altivelis	Plecoglossidae / Osmeriformes	DD	Beilun	China; Vietnam

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Pogonopoma obscurum	Loricariidae / Siluriformes	VU	La Plata	Argentina; Brazil
Polydactylus sextarius	Polynemidae / Polynemiformes	NE	Tigris-Euphrates/Shatt al Arab	Iran; Iraq
Polynemus paradiseus	Polynemidae / Polynemiformes	LC	Dakatia; Feni; Ganges-Brahmaputra-Meghna; Giang Thanh; Golok; Kaladan; Karnaphuli; Matamuhuri; Naf; Pakchan; Song Vam Co Dong	Bangladesh; Bhutan; Cambodia; India; Malaysia; Myanmar; Thailand; Vietnam
Potamorhina laticeps	Curimatidae / Characiformes	NE	Amazon; Catatumbo; Orinoco	Bolivia; Brazil; Colombia; Peru; Venezuela
Potamotrygon constellata	Potamotrygonidae / Myliobatiformes	DD	Amazon	Brazil; Colombia; Ecuador; Peru
Potamotrygon hystrix	Potamotrygonidae / Myliobatiformes	NE	Amazon; La Plata; Maroni; Oyapock	Argentina; Brazil; Colombia; Ecuador; French Guiana; Guyana; Paraguay; Suriname
Potamotrygon motoro	Potamotrygonidae / Myliobatiformes	DD	La Plata	Argentina; Bolivia; Paraguay
Potamotrygon scobina	Potamotrygonidae / Myliobatiformes	DD	Amazon; Orinoco	Brazil; Colombia; Guyana; Venezuela
Probarbus jullieni	Cyprinidae / Cypriniformes	CR	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam
Probarbus labeamajor	Cyprinidae / Cypriniformes	EN	Mekong	Cambodia; Laos; Thailand; Vietnam
Probarbus labeaminor	Cyprinidae / Cypriniformes	NT	Mekong	Cambodia; Laos; Thailand
Prochilodus mariae	Prochilodontidae / Characiformes	LC	Orinoco	Colombia; Venezuela
Prochilodus reticulatus	Prochilodontidae / Characiformes	NE	Catatumbo; La Plata; Maroni	Argentina; Brazil; Colombia; French Guiana; Paraguay; Suriname; Venezuela
Procypris mera	Cyprinidae / Cypriniformes	DD	Pearl	China; Vietnam
Protosalanx chinensis	Salangidae / Osmeriformes	DD	Beilun; Han; Yalu	China; North Korea; South Korea; Vietnam
Pseudocurimata boulengeri	Curimatidae / Characiformes	NT	Zarumilla	Ecuador; Peru
Pseudocurimata peruana	Curimatidae / Characiformes	NT	Chira; Tumbes; Zarumilla	Ecuador; Peru
Pseudohemiculter dispar	Cyprinidae / Cypriniformes	VU	Beilun; Ca/Lam/Song-Koi; Ma; Mekong; Pearl; Red/Song Hong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
Pseudoplatystoma corruscans	Pimelodidae / Siluriformes	NT	La Plata; Lagoon Mirim	Argentina; Bolivia; Brazil; Paraguay; Uruguay

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Pseudoplatystoma fasciatum</i>	Pimelodidae / Siluriformes	LC	Courantyne; Maroni; Oyapock	Brazil; French Guiana; Guyana; Suriname
<i>Pseudoplatystoma metaense</i>	Pimelodidae / Siluriformes	EN	Orinoco	Colombia; Venezuela
<i>Pseudoplatystoma orinocoense</i>	Pimelodidae / Siluriformes	EN	Orinoco	Colombia; Venezuela
<i>Rasbora hobelmani</i>	Danionidae / Cypriniformes	NE	Mekong	Cambodia; Laos
<i>Rhinelepis aspera</i>	Loricariidae / Siluriformes	NT	La Plata	Argentina; Brazil; Paraguay
<i>Rhonciscus crocro</i>	Haemulidae / Eupercaria incertae sedis	DD	Coco; Motagua; Oyapock; Rio Grande (North America); San Juan; Sarstoon; Sixaola	Belize; Brazil; Costa Rica; French Guiana; Guatemala; Honduras; Mexico; Nicaragua; Panama; United States of America
<i>Rutilus meidingeri</i>	Leuciscidae / Cypriniformes	NT	Danube	Austria; Germany
<i>Salanx chinensis</i>	Salangidae / Osmeriformes	DD	Beilun	China; Vietnam
<i>Salmo labrax</i>	Salmonidae / Salmoniformes	LC	Danube; Dnieper; Dniestr; Don; Mius	Kosovo; Moldova; Montenegro; Romania; Russia; Serbia; Slovakia; Slovenia; Ukraine
<i>Salmo macrostigma</i>	Salmonidae / Salmoniformes	DD	Medjerda; Moulouya	Algeria; Morocco; Tunisia
<i>Salmo marmoratus</i>	Salmonidae / Salmoniformes	VU	Buna; Neretva; Po; Soca	Albania; Bosnia and Herzegovina; Croatia; Italy; Montenegro; Slovenia; Switzerland
<i>Salmo salar</i>	Salmonidae / Salmoniformes	NT	Barta; Daugava; Erne; Foyle; Gauja; Iddefjord; IJsselmeer; Lielupe; Minho; Naatamo; Narva; Neman; Newry; Paatsjoki; Peschanaya; Rhine; Saint Croix; Tana; Torne; Venta; Vida	Belarus; Canada; Denmark; Estonia; Finland; France; Germany; Ireland; Latvia; Lithuania; Luxembourg; Netherlands; Norway; Portugal; Russia; Russia (Kaliningrad); Spain; Sweden; United Kingdom; United States of America
<i>Salvelinus alpinus</i>	Salmonidae / Salmoniformes	LC	Altaelva; Angerman; Danube; Erne; Firth; Foyle; Naatamo; Paatsjoki; Rhine; Rhone; Saint John (North America); Tana; Torne; Tuloma; Ume; Yukon	Austria; Canada; Finland; France; Germany; Ireland; Liechtenstein; Norway; Russia; Sweden; Switzerland; United Kingdom; United States of America; United States of America (Alaska)
<i>Salvelinus confluentus</i>	Salmonidae / Salmoniformes	VU	Alsek; Chilkat; Columbia; Skagit; Stikine; Taku; Unuk; Whiting	Canada; United States of America; United States of America (Alaska)
<i>Scaphirhynchus albus</i>	Acipenseridae / Acipenseriformes	CR	Mississippi	Canada; United States of America
<i>Scaphognathops bandanensis</i>	Cyprinidae / Cypriniformes	VU	Mekong	Cambodia; Laos; Myanmar; Thailand; Vietnam

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Schizocypris brucei	Cyprinidae / Cypriniformes	VU	Helmand	Afghanistan; Iran
Schizothorax esocinus	Cyprinidae / Cypriniformes	VU	Indus	Afghanistan; India; Pakistan
Schizothorax lantsangensis	Cyprinidae / Cypriniformes	DD	Mekong	China; Myanmar
Schizothorax plagiostomus	Cyprinidae / Cypriniformes	VU	Amu Darya; Dakatia; Dasht; Feni; Ganges-Brahmaputra-Meghna; Hari/Harirud-Murgab; Helmand; Indus; Irrawaddy; Kaladan; Karnaphuli; Rann of Kutch; Tarim	Afghanistan; Bangladesh; Bhutan; China; India; Iran; Myanmar; Nepal; Pakistan; Tajikistan; Turkmenistan; Uzbekistan
Schizothorax richardsonii	Cyprinidae / Cypriniformes	VU	Ganges-Brahmaputra-Meghna	Bhutan; China; India; Nepal
Scomberomorus sinensis	Scombridae / Scombriformes	NT	Mekong	Cambodia; Laos; Vietnam
Semaprochilodus varii	Prochilodontidae / Characiformes	LC	Maroni	French Guiana; Suriname
Semiplotus manipurensis	Cyprinidae / Cypriniformes	DD	Irrawaddy	India; Myanmar
Serranochromis meridianus	Cichlidae / Cichliformes	EN	Incomati; Limpopo; Umbeluzi	Eswatini; Mozambique; South Africa
Setipinna brevifilis	Engraulidae / Clupeiformes	DD	Ganges-Brahmaputra-Meghna	Bangladesh; India; Nepal
Setipinna tenuifilis	Engraulidae / Clupeiformes	DD	Han; Naf	Bangladesh; Myanmar; North Korea; South Korea
Sicydium adelum	Gobiidae / Gobiiformes	EN	Sixaola	Costa Rica; Panama
Sikukia gudgeri	Cyprinidae / Cypriniformes	DD	Mekong	Cambodia; Laos; Thailand; Vietnam
Silhouettea sibayi	Gobiidae / Gobiiformes	EN	Umbeluzi	Eswatini; Mozambique
Silurus soldatovi	Siluridae / Siluriformes	LC	Amur	China; Russia
Steindachneridion scriptum	Pimelodidae / Siluriformes	EN	La Plata	Argentina; Brazil; Paraguay; Uruguay
Stenodus leucichthys	Salmonidae / Salmoniformes	NT	Volga	Kazakhstan; Russia
Syncrossus beauforti	Botiidae / Cypriniformes	NT	Golok; Mekong	Cambodia; China; Laos; Malaysia; Thailand
Systemus rubripinnis	Cyprinidae / Cypriniformes	DD	Mekong; Salween	Cambodia; Laos; Myanmar; Thailand

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
<i>Tenualosa ilisha</i>	Clupeidae / Clupeiformes	LC	Dakatia; Feni; Ganges-Brahmaputra-Meghna; Kaladan; Karnaphuli; Matamuhuri; Naf; Pakchan; Rann of Kutch; Salween	Bangladesh; Bhutan; India; Myanmar; Nepal; Pakistan; Thailand
<i>Tenualosa reevesii</i>	Clupeidae / Clupeiformes	DD	Beilun; Pearl; Red/Song Hong	China; Vietnam
<i>Tenualosa thibaudeaui</i>	Clupeidae / Clupeiformes	VU	Mekong	Cambodia; Laos; Thailand; Vietnam
<i>Terapon puta</i>	Terapontidae / Perciformes	NE	Besor; Giang Thanh; Tigris-Euphrates/Shatt al Arab	Cambodia; Iran; Iraq; Israel; State of Palestine; Vietnam
<i>Thryssa scratchleyi</i>	Engraulidae / Clupeiformes	DD	Fly; Merauke	Indonesia; Papua New Guinea
<i>Thryssa stenosoma</i>	Engraulidae / Clupeiformes	DD	Naf	Bangladesh; Myanmar
<i>Tor laterivittatus</i>	Cyprinidae / Cypriniformes	DD	Mekong; Red/Song Hong	China; Laos; Myanmar; Thailand; Vietnam
<i>Tor polylepis</i>	Cyprinidae / Cypriniformes	DD	Mekong	China; Laos; Myanmar
<i>Tor putitora</i>	Cyprinidae / Cypriniformes	EN	Ganges-Brahmaputra-Meghna; Indus; Irrawaddy	Afghanistan; Bangladesh; Bhutan; China; India; Myanmar; Nepal; Pakistan
<i>Tor sinensis</i>	Cyprinidae / Cypriniformes	VU	Mekong	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Tor tambra</i>	Cyprinidae / Cypriniformes	DD	Ca/Lam/Song-Koi; Giang Thanh; Golok; Ma; Mekong; Pakchan; Red/Song Hong; Saigon/Song Nha Be; Salween; Sambas; Sembakung; Song Vam Co Dong	Cambodia; China; Indonesia; Laos; Malaysia; Myanmar; Thailand; Vietnam
<i>Tor tambroides</i>	Cyprinidae / Cypriniformes	DD	Ca/Lam/Song-Koi; Giang Thanh; Golok; Ma; Mekong; Pakchan; Red/Song Hong; Saigon/Song Nha Be; Salween; Sambas; Sembakung; Song Vam Co Dong	Cambodia; China; Indonesia; Laos; Malaysia; Myanmar; Thailand; Vietnam
<i>Tor tor</i>	Cyprinidae / Cypriniformes	DD	Ganges-Brahmaputra-Meghna	India; Nepal
<i>Toxotes blythii</i>	Toxotidae / Carangaria incertae sedis	DD	Salween	China; Myanmar; Thailand
<i>Trachidermus fasciatus</i>	Cottidae / Scorpaeniformes	LC	Yalu	China; North Korea
<i>Trichopodus pectoralis</i>	Osphronemidae / Anabantiformes	LC	Ma; Mekong; Red/Song Hong; Saigon/Song Nha Be; Salween	Cambodia; China; Laos; Myanmar; Thailand; Vietnam
<i>Triportheus elongatus</i>	Triportheidae / Characiformes	NE	Amazon	Bolivia; Brazil; Colombia; Ecuador; Peru

Species	Family / Order	IUCN Conservation Status ¹	Transboundary Basins	Countries
Urogymnus polylepis	Dasyatidae / Myliobatiformes	EN	Dakatia; Feni; Ganges-Brahmaputra-Meghna; Karnaphuli; Matamuhuri; Mekong; Naf; Sambas	Bangladesh; Cambodia; India; Indonesia; Laos; Malaysia; Myanmar; Thailand; Vietnam
Vimba vimba	Leuciscidae / Cypriniformes	LC	Barta; Danube; Daugava; Dnieper; Dniestr; Don; Elbe; Gauja; Gota alv; Iddefjord; Lielupe; Mius; Narva; Neman; Oder; Peschanaya; Pregolya; Venta; Vistula	Kosovo; Latvia; Lithuania; Moldova; Montenegro; Norway; Poland; Romania; Russia; Russia (Kaliningrad); Serbia; Slovakia; Slovenia; Sweden; Switzerland; Ukraine
Wallago attu	Siluridae / Siluriformes	VU	Dakatia; Feni; Ganges-Brahmaputra-Meghna; Indus; Irrawaddy; Kaladan; Karnaphuli; Matamuhuri; Mekong; Naf; Rann of Kutch; Salween; Song Vam Co Dong	Bangladesh; Bhutan; Cambodia; China; India; Laos; Myanmar; Nepal; Pakistan; Thailand; Vietnam
Wallago micropogon	Siluridae / Siluriformes	DD	Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Xyrauchen texanus	Catostomidae / Cypriniformes	CR	Colorado	Mexico; United States of America
Yasuhikotakia eos	Botiidae / Cypriniformes	LC	Ca/Lam/Song-Koi; Mekong; Saigon/Song Nha Be; Song Vam Co Dong	Cambodia; Laos; Thailand; Vietnam
Yasuhikotakia longidorsalis	Botiidae / Cypriniformes	DD	Mekong	Laos; Myanmar; Thailand
Zungaro jahu	Pimelodidae / Siluriformes	NT	La Plata	Argentina; Bolivia; Brazil; Paraguay; Uruguay

PROPOSED AMENDMENTS TO RESOLUTION 10.12

MIGRATORY FRESHWATER FISH

NB. Proposed new text is underlined. Text to be deleted is ~~crossed-out~~.

Considering that the CMS Samarkand Strategic Plan for Migratory Species 2024-2032 foresees under Goal 1 that the conservation status of migratory species is improved, including that by 2029 all species with an unfavourable status are listed and regularly reviewed (Targets 1.1 and 1.2), and by 2032 their conservation status has improved (Target 1.3),

Further considering that the CMS Samarkand Strategic Plan for Migratory Species 2024-2032 foresees under Goal 2 that the habitats and ranges of migratory species are maintained and restored, supporting their connectivity, including that by 2029 all important habitats are identified, assessed and monitored (Target 2.1), and by 2032 these habitats are protected, effectively conserved and restored while habitat loss, degradation and fragmentation are reduced (Targets 2.2 and 2.3),

Recognizing that bycatch constitutes a significant threat to many migratory freshwater fish species, and that targeted action is required to address this issue,

Further rRecognizing the obligations of the international community to conserve, protect and manage migratory freshwater fish as underpinned by, inter alia:

- a) CBD Decision 15/4 on the Kunming-Montreal Global Biodiversity Framework, in particular Target 2 to ensure that at least 30 per cent of areas of degraded terrestrial, inland water, and marine and coastal ecosystems are under effective restoration and Target 3 to conserve at least 30 per cent of terrestrial and inland water areas, and of marine and coastal areas, as well as CBD Decision VII/4 on the revised programme of work of biological diversity of inland water ecosystems, and in particular goal 1.3 to enhance the conservation status of inland water biological diversity through rehabilitation and restoration of degraded ecosystems and the recovery of threatened species;
- b) ~~CITES Resolutions Conf. 10.12 (Rev.) on the conservation of sturgeons, Conf. 11.13 on the introduction of a universal caviar labelling system, and Conf. 12.7 (Rev. COP17CoP13)~~ setting out a number of conservation management measures for sturgeon and paddlefish, including fishery management programmes, improving legislation, promoting regional agreements, development of marking systems, aquaculture, a universal caviar labelling system, and the control of illicit trade, as well as CITES Decision 19.175 & 19.176 Labelling system for trade in caviar and Decisions 19.189 to 19.191 Aquatic species listed on the CITES Appendices, [and all species listed on CITES Appendix I-III, including the COP19 listing of seven new freshwater stingray species on Appendix II, and the COP20 listing of the genus *Anguilla*]; and
- c) the FAO Code of Conduct for Responsible Fisheries, dealing mainly with good practice and policy development for freshwater and marine fisheries as outlined in its General Principles in Article 6, also giving recommendations for transboundary cooperation, inter alia, in Article 6.12 and Article 7.1.3;

~~Recalling that CMS currently includes twenty-one species of freshwater fish on Appendices I and II;~~

~~Considering that the CMS Strategic Plan 2006-2011 and its updated version for the period 2012-2014 foresee under Objective 1 that reviews of status and conservation actions for Appendix I and Appendix II species are to be published at regular intervals;~~

~~Taking note of the preliminary discussion on freshwater fish at the 16th Meeting of the Scientific Council (Bonn, 28-30 June 2010) which recognized that these species were underrepresented on the CMS Appendices and where the Council welcomed the preparation of the review to be presented to its 17th Meeting;~~

Recalling the previous work undertaken under CMS on plastic pollution in Asian river systems, including the assessment of risks to migratory species in the Mekong and Ganga Rivers (UNEP/CMS/Inf.13.11/Rev.1), and recognizing its relevance for migratory freshwater fish,

~~Acknowledging the review of migratory freshwater fish prepared by the COP Appointed Scientific Councillor (UNEP/CMS/Conf.10.31 and UNEP/CMS/Inf.10.33), the work of IUCN in assessing the status of freshwater fish, including the identification of Key Biodiversity Areas (KBAs), maps of their distribution, and the contributions of Paraguay during the 16th meeting of the Scientific Council to identify and prioritize threatened migratory species in the La Plata basin to be listed on the Appendices of the Convention (UNEP/CMS/ScC16/Doc.7);~~

Recognizing that migratory strategies of inland fishes are diverse, with some species migrating wholly within freshwater, others moving between freshwater and marine ecosystems, and many species exhibiting multiple strategies whereby sub-populations in different river-reaches undertake distinct longitudinal or lateral movements,

Appreciating that while current efforts focus primarily on longitudinal migration, in many rivers long-distance downstream larval 'drift' and shorter-distance lateral movements are also essential to survival,

~~Recalling that in line with Article II of the Convention, Range States should take action to conserve, protect and manage migratory species, and should endeavour to conclude Agreements to promote the conservation and management of migratory species,~~

~~Aware of the significant and continuing decline of freshwater fish populations through a wide range of threats, including overfishing, habitat destruction, invasive species, pollution and barriers to migration resulting in the loss of connectivity between critical habitats,~~

~~Taking note of the deficient information on the conservation status, migratory behaviour and ecology of freshwater fish and the need for further research, and~~

~~Noting further the importance of cooperation between Range States in furthering research, awareness raising and transboundary management of migratory freshwater fish, and that these activities could greatly strengthen conservation outcomes for this group of species,~~

*The Conference of the Parties to the
Convention on the Conservation of Migratory Species of Wild Animals*

1. Takes note of the *Global Assessment of Migratory Freshwater Fishes* which can be found as Annex 1 to UNEP/CMS/COP15/Doc.25.6.1 and under www.cms.int/document/freshwater-fish and the *Assessment of Potential Candidate Freshwater Fish Species of the Amazon Basin for Listing on the Convention of Migratory Species Appendix II* which can be found under the same website above review of freshwater fish contained in documents UNEP/CMS/Conf. 10.31 and UNEP/CMS/Inf.10.33;
2. Requests Parties and invites non-Parties to strengthen measures to protect migratory freshwater fish species against threats, including habitat destruction, habitat fragmentation, overfishing, bycatch, invasive species, pollution and barriers to migration, such as the creation of protected areas and other effective area-based conservation measures in the upper and lower floodplains that are important for the feeding and spawning cycles of wild migratory fish populations;
3. Further requests Parties to improve the monitoring of freshwater fish in order to assess the level of vulnerability of each population according to IUCN Red List criteria and to work collaboratively to improve knowledge of transboundary migratory fish in order better to identify species that would benefit from international cooperation;
4. Urges Parties to consider proposing submit listing proposals for those species highlighted in the review as threatened for listing, as well as other species that would benefit from international cooperation;
5. ~~Requests the Scientific Council to review further the proposals submitted by Paraguay during the 16th meeting of the Scientific Council for listing the species *Brycon orbignyanus*, *Salminus hilarii*, *Genidens barbatus* and *Zungaro jahu* on the Appendices of the Convention;~~
6. Calls on Parties to engage in international cooperation on migratory freshwater fish, which would focus on CMS-listed fish species, at sub-regional or regional levels, noting that this cooperation should, inter alia:
 - a. involve governments where appropriate, intergovernmental organizations, non-governmental organizations and local communities;
 - b. identify and implement effective measures, as appropriate, to mitigate threats such as habitat degradation, barriers to migration, bycatch and overexploitation; and
 - c. identify viable and practical alternatives to uses of endangered migratory freshwater fish while recognizing the cultural and economic importance of these species for some communities, and ensuring that use is sustainable;
- 6.bis Requests Parties to promote the sharing of data with other Range States and/or international bodies on transboundary freshwater migratory fish species, including current abundance, fish ecology and habitat degradation, especially for those species identified on national, regional or global red lists;
- 6.ter Further requests Parties to take actions with respect to hydroelectric and other dams to mitigate the effects of barriers in rivers, such as the creation of protected areas and other effective area-based conservation measures in the upper and lower floodplains that are important for the feeding and spawning cycles of wild migratory fish populations; and

7. ~~Instructs the Secretariat to bring this Resolution to the attention of the FAO Committee on Fisheries and the CITES Secretariat, to encourage joint action and to explore future avenues of cooperation with these organizations~~ cooperate with FAO and CITES as well as with Range States of migratory freshwater fish with a view to enhancing protection, conservation and management of these species; ~~and~~
8. ~~Further instructs the Secretariat, resources permitting, to identify relevant international fora that address the conservation of migratory freshwater fish and to organize regional workshops to assess conservation status and recommend priority conservation measures.~~

DRAFT DECISIONS

FRESHWATER FISH

Directed to Parties

15.AA Parties are requested to:

- a) consider proposing species identified in the *Global Assessment of Migratory Freshwater Fishes* for listing on CMS Appendices at future COPs;
- b) consider the vulnerability of freshwater fish when looking at issues relating to linear infrastructure, connectivity, bycatch and illegal take of species; and
- c) initiate cooperation instruments for listed species where appropriate, such as Concerted Actions, Species Action Plans (single or multi-species) and MOUs, with clear work plans and technical advisory structures.

Directed to the Scientific Council

15.BB The Scientific Council is requested to, subject to the availability of resources:

- a) establish an open-ended expert working group to provide advice on migratory freshwater fishes (status reviews, listings, connectivity guidance and monitoring standards);
- b) undertake further work to resolve regional and taxonomic gaps in the *Global Assessment of Migratory Freshwater Fishes* by working with IUCN and the expert group to compile evidence for Not Evaluated, Data Deficient and Least Concern (decreasing trend) species flagged as likely meeting CMS criteria;
- c) undertake Green Status (Green List) assessments for CMS-listed freshwater fishes and priority candidates identified in the *Global Assessment of Migratory Freshwater Fishes*;
- d) produce a status report summarizing the current conservation status and management progress for Appendix I freshwater fish;
- e) commission a global status review of migratory marine bony fish (teleosts), mirroring the freshwater approach, to inform potential cross-realm actions;
- f) conduct targeted regional reviews (with expert consultation) in basins and regions with numerous transboundary migrants, especially in Africa where transboundary migrants are under-represented in current analyses and data gaps are likely;
- g) engage Lower Mekong countries to explore pathways for coordinated management and potential accession/participation in CMS instruments;

- h) work closely with the Secretariat on the possibility of developing a dedicated freshwater fishes module for the *Atlas of Animal Migration*;
- i) incorporate relevant data into the *Status of the Worlds Migratory Species* report to be developed for the 16th meeting of the Conference of the Parties, and other related CMS communication products; and
- j) undertake a gap analysis of activities undertaken by CITES, CBD, FAO, IUCN and river-basin organizations to identify where CMS adds the most value and to align actions on monitoring, connectivity safeguards and sustainable harvest/trade.

Directed to the Secretariat

15.CC The Secretariat shall, subject to the availability of resources:

- a) integrate the needs of freshwater fishes into future CMS work, including Decisions, Resolutions and cross-cutting initiatives on ecological connectivity, linear infrastructure and bycatch reduction; and
- b) support the Scientific Council with the implementation of Decision 15.BB.