

2021 Report

IUCN SSC Mayfly, Stonefly and Caddisfly Specialist Group



CO-CHAIR

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CO-CHAIR

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RED LIST AUTHORITY

COORDINATOR

Lyndall Pereira da
Conceicao

Natural History
Museum, London, UK

NUMBER OF MEMBERS

18

SOCIAL MEDIA AND WEBSITE

Twitter: @IUCN_riverflies

Website: <https://www.iucn.org/commissions/ssc-groups/invertebrates/mayfly-stonefly-and-caddisfly>

Mission statement

The mission of our group is to promote the conservation of Mayfly, Stonefly and Caddisfly species and their habitats around the world. Our goal is to raise awareness of these small but important insect orders and undertake Red List assessments to inform practical conservation activities.

Projected impact 2021–2025

The conservation status of Mayfly, Stonefly and Caddisfly species and the threats to their populations will be better understood and initial plans for conservation action will be identified.

Targets 2021–2025

ASSESS

T-005 Conduct European comprehensive assessment of 1,600 Trichoptera species.

T-006 Digitise and collate details from ca. 90,000 Ephemeroptera, Plecoptera and Trichoptera specimens contained in museum collections, with a focus on Africa.

T-007 Collate other datasets on African Mayflies, Stoneflies and Caddisflies.

T-008 Prepare for South African comprehensive assessment of Ephemeroptera: Baetidae in 2025.

T-009 Prepare for South African comprehensive assessment of Trichoptera: Leptoceridae.

T-010 Collate data for sampled global assessment of 1,500 species of Ephemeroptera.

PLAN

T-011 Undertake training in conservation planning to allow development of conservation plans for species once they have been assessed.

NETWORK

T-001 Continue to grow membership on a geographical basis as we undertake regional assessments.

T-002 Host Ephemeroptera/Plecoptera Session at the 2021 Symposium for European Freshwater Sciences (SEFS21).

T-003 Deliver session at Trichoptera conference.

T-004 Deliver session at Ephemeroptera/Plecoptera symposium.

COMMUNICATE

T-012 Develop a series of outreach seminars to raise awareness of Mayfly, Stonefly and Caddisfly species and their conservation needs.

T-013 Develop our online presence (on social media and Specialist Group web pages).

T-014 Organise an awareness raising campaign in connection with World Rivers Day annually.



Adult of *Chimarra marginata*
Photo: Wolfram Graf/Astrid Schmidt-Kloiber



Adult of *Chaetopteryx rugulosa*
Photo: Wolfram Graf/Astrid Schmidt-Kloiber



Adult female of the Mount Donna Buang Wingless Stonefly (*Riekoperla darlingtoni*)
Photo: Eddie Tsyrlin

Activities and results 2021

ASSESS

Research activities

T-006 (KSR 5)

Number of specimens digitised: ongoing

Result description: Digitisation of collections at Natural History Museum, London; Museum für Naturkunde, Berlin; and Africa Museum, Brussels is nearing completion.

NETWORK

Membership

T-001 (KSR 2)

Number of SSC members recruited: 18

Result description: The Co-Chairs have re-engaged with experts to ensure their ongoing membership of the group. We will engage with other experts on a geographical basis when undertaking Red Listing activities.

Synergy

T-002 (KSR 1)

Number of 'in kind' partnerships established and maintained: 1

Result description: A session on Ephemeroptera and Plecoptera was held at SEFS21 in July 2021. Unfortunately, only three speakers offered talks, so these were combined with a session on 'Freshwater

invertebrate biodiversity - threats, assessments, knowledge needs and conservation challenges'. Ultimately, this meant that the Ephemeroptera and Plecoptera papers were delivered to a much wider audience than expected.

COMMUNICATE

Communication

T-013 (KSR 13)

Number of digital communication outputs developed in relation to specific taxonomic groups: 2

Result description: Specialist Group web pages are now available on the IUCN website at: <https://www.iucn.org/commissions/ssc-groups/invertebrates/mayfly-stonefly-and-caddisfly>. Our Twitter account is active with 360 followers.

Acknowledgements

Thanks are due to BOKU, Buglife and Natural History Museum, London, for supporting the Co-Chairs and Red List Authority Coordinator. In addition, the Co-Chairs would like to thank the staff of the SSC for their ongoing assistance and encouragement.

Summary of achievements

Total number of targets 2021–2025: 14

Geographic regions: 9 Global, 3 Africa, 2 Europe

Actions during 2021:

Assess: 1 (KSR 5)

Network: 2 (KSR 1, 2)

Communicate: 1 (KSR 13)

Overall achievement 2021–2025:

