

Xiphophorus hellerii  正體中文

System: Freshwater

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Actinopterygii	Cyprinodontiformes	Poeciliidae

Common name

Synonym

Poecilia helleri , (Heckel, 1848)
Xiphophorus brevis , (Regan, 1907)
Xiphophorus guentheri , (Jordan & Evermann, 1896)
Xiphophorus guntheri , (Jordan & Evermann, 1896)
Xiphophorus helleri , (Heckel, 1848)
Xiphophorus helleri brevis , (Regan, 1907)
Xiphophorus helleri helleri , (Heckel, 1848)
Xiphophorus helleri strigatus , (Regan, 1907)
Xiphophorus hellerii guentheri , (Jordan & Evermann, 1896)
Xiphophorus jalapae , (Meek, 1902)
Xiphophorus rachovii , (Regan, 1911)
Xiphophorus strigatus , (Regan, 1907)

Similar species

Summary

Xiphophorus hellerii is native to Central America. A very popular aquarium fish, it has been introduced to many countries around the world. Although *Xiphophorus hellerii* is rarely documented, its introduction into the natural environment has probably resulted in ecological consequences on native fish species.



[view this species on IUCN Red List](#)

Principal source:

Compiler: Comité français de l'IUCN (IUCN French Committee) & IUCN SSC Invasive Species Specialist Group (ISSG)

Review:

Publication date: 2008-03-14

ALIEN RANGE

[1] MARTINIQUE
[1] PERU

[1] NEW CALEDONIA
[1] REUNION

Red List assessed species 3: EN = 2; VU = 1;

[Agalychnis annae](#) EN
[Tenuibranchiurus glypticus](#) EN

[Erinna newcombi](#) VU

BIBLIOGRAPHY

12 references found for *Xiphophorus hellerii*

Global Invasive Species Database (GISD) 2024. Species profile *Xiphophorus hellerii*. Available from: <https://iucngisd.org/gisd/species.php?sc=1270> [Accessed 23 November 2024]

Management information

[Centre for Environment, Fisheries & Aquaculture Science \(CEFAS\), 2008. Decision support tools-Identifying potentially invasive non-native marine and freshwater species: fish, invertebrates, amphibians.](#)

Summary: The electronic tool kits made available on the Cefas page for free download are Crown Copyright (2007-2008). As such, these are freeware and may be freely distributed provided this notice is retained. No warranty, expressed or implied, is made and users should satisfy themselves as to the applicability of the results in any given circumstance. Toolkits available include 1) FISK- Freshwater Fish Invasiveness Scoring Kit (English and Spanish language version); 2) MFISK- Marine Fish Invasiveness Scoring Kit; 3) MI-ISK- Marine invertebrate Invasiveness Scoring Kit; 4) FI-ISK- Freshwater Invertebrate Invasiveness Scoring Kit and AmphISK- Amphibian Invasiveness Scoring Kit. These tool kits were developed by Cefas, with new VisualBasic and computational programming by Lorenzo Vilizzi, David Cooper, Andy South and Gordon H. Copp, based on VisualBasic code in the original Weed Risk Assessment (WRA) tool kit of P.C. Pheloung, P.A. Williams & S.R. Halloy (1999).

The decision support tools are available from:

<http://cefas.defra.gov.uk/our-science/ecosystems-and-biodiversity/non-native-species/decision-support-tools.aspx> [Accessed 13 October 2011]

[The guidance document](http://www.cefas.co.uk/media/118009/fisk_guide_v2.pdf) is available from http://www.cefas.co.uk/media/118009/fisk_guide_v2.pdf [Accessed 13 January 2009].

[Clearwater, Susan J.; Chris W. Hickey and Michael L. Martin. 2008. Overview of potential piscicides and molluscicides for controlling aquatic pest species in New Zealand. Science for conservation 283. March 2008. New Zealand Department of Conservation](#)

Summary: Available from: <http://www.doc.govt.nz/upload/documents/science-and-technical/sfc283entire.pdf> [Accessed 20 March 2008]
[Cossios E. Daniel, 2010. Vertebrados naturalizados en el Perú: historia y estado del conocimiento \(Naturalised vertebrates in Peru: history and state of knowledge\) Rev. peru. biol. 17\(2\): 179 - 189 \(Agosto 2010\)](#)

Summary: Available from: <http://sisbib.unmsm.edu.pe/BVrevistas/biologia/v17n2/pdf/a07v17n2.pdf> [Accessed 23 February 2011]

[Mendoza, R.E.; Cudmore, B.; Orr, R.; Balderas, S.C.; Courtenay, W.R.; Osorio, P.K.; Mandrak, N.; Torres, P.A.; Damian, M.A.; Gallardo, C.E.; Sanguines, A.G.; Greene, G.; Lee, D.; Orbe-Mendoza, A.; Martinez, C.R.; and Arana, O.S. 2009. Trinational Risk Assessment Guidelines for Aquatic Alien Invasive Species. Commission for Environmental Cooperation. 393, rue St-Jacques Ouest, Bureau 200, Montréal \(Québec\), Canada. ISBN 978-2-923358-48-1.](#)

Summary: In 1993, Canada, Mexico and the United States signed the North American Agreement on Environmental Cooperation (NAAEC) as a side agreement to the North American Free Trade Agreement (NAFTA). The NAAEC established the Commission for Environmental Cooperation (CEC) to help the Parties ensure that improved economic efficiency occurred simultaneously with trinational environmental cooperation. The NAAEC highlighted biodiversity as a key area for trinational cooperation. In 2001, the CEC adopted a resolution (Council Resolution 01-03), which created the Biodiversity Conservation Working Group (BCWG), a working group of high-level policy makers from Canada, Mexico and the United States. In 2003, the BCWG produced the Strategic Plan for North American Cooperation in the Conservation of Biodiversity. This strategy identified responding to threats, such as invasive species, as a priority action area. In 2004, the BCWG, recognizing the importance of prevention in addressing invasive species, agreed to work together to develop the draft CEC Risk Assessment Guidelines for Aquatic Alien Invasive Species (hereafter referred to as the Guidelines). These Guidelines will serve as a tool to North American resource managers who are evaluating whether or not to introduce a non-native species into a new ecosystem. Through this collaborative process, the BCWG has begun to implement its strategy as well as address an important trade and environment issue. With increased trade comes an increase in the potential for economic growth as well as biological invasion, by working to minimize the potential adverse impacts from trade, the CEC Parties are working to maximize the gains from trade while minimizing the environmental costs.

Available from: English version: http://www.cec.org/Storage/62/5516_07-64-CEC%20invasives%20risk%20guidelines-full-report_en.pdf [Accessed 15 June 2010]

French version: http://www.cec.org/Storage/62/5517_07-64-CEC%20invasives%20risk%20guidelines-full-report_fr.pdf [Accessed 15 June 2010]

Spanish version: http://www.cec.org/Storage/62/5518_07-64-CEC%20invasives%20risk%20guidelines-full-report_es.pdf [Accessed 15 June 2010].

General information

[FishBase, 2008. Xiphophorus hellerii.](#)

Summary: Available from: <http://www.fishbase.org/Summary/SpeciesSummary.php?id=3231> [Accessed 9 April 2008]

[ITIS \(Integrated Taxonomic Information System\), 2008. Online Database Xiphophorus hellerii Heckel, 1848](#)

Summary: An online database that provides taxonomic information, common names, synonyms and geographical jurisdiction of a species. In addition links are provided to retrieve biological records and collection information from the Global Biodiversity Information Facility (GBIF) Data Portal and bioscience articles from BioOne journals.

Available from: http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=647013 [Accessed 12 March 2008]

[Keith, P. 2002. Freshwater fish and decapod crustacean populations on Reunion island, with an assessment of species introductions. Bull. Fr. Pêche Piscic., 364, 97-107.](#)

Summary: Cet article propose un bilan de la connaissance des espèces de poissons et des crustacés décapodes présents dans les eaux douces de La Réunion avec une synthèse des espèces introduites.

[Keith, P. 2005. Revue des introductions de poissons et de crustacés décapodes d'eau douce en Nouvelle-Calédonie. Revue d'Ecologie \(La Terre et la vie\), 60, 45-55.](#)

Summary: Cet article propose un bilan complet et actualisé des introductions d'espèces de poissons et de crustacés décapodes dans les eaux douces de Nouvelle-Calédonie.

[Lim, P., Meunier, F., Keith, P., & Noël, P. 2002. Atlas des poissons et des crustacés d'eau douce de la Martinique \(ed P. Naturels\), Vol. 51, 120 p. MNHN.](#)

[Marquet, G., Keith, P., Vigneux, E. 2003. Atlas des poissons et des crustacés d'eau douce de Nouvelle-Calédonie. Paris, Muséum national d'histoire naturelle, Collection Patrimoines Naturels 58, 282 p](#)



GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Xiphophorus hellerii*

[Muséum national d'Histoire naturelle \[Ed\]. 2003-2006 . *Xiphophorus hellerii*. Inventaire national du Patrimoine naturel.](#)

Summary: Available from:

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[Accessed 9 April 2008]

Pascal, M., Barré, N., De Garine-Wichatitsky, Lorvelec, O., Froté, T., Brescia, F., Jourdan, H. 2006. Les peuplements néo-calédoniens de vertébrés : invasions, disparitions. Pp 111-162, in M.-L. Beauvais et al., : Les espèces envahissantes dans l'archipel néo-calédonien, Paris, IRD éditions, 260 p. + cdrom

Summary: Synthèse des introductions d'espèces de vertébrés en Nouvelle-Calédonie et évaluation de leurs impacts.