



Chheng P., Baran E., Touch B.T. 2004 Synthesis of all published information on *Henicorhynchus lineatus* ("trey riel"), based on FishBase 2004. WorldFish Center and Inland Fisheries Research and Development Institute, Phnom Penh, Cambodia. 8 pp.

Introduction

This document results from the extraction and the editing by the authors of the information available in FishBase 2004.

FishBase is a biological database on fishes developed by the WorldFish Center (formerly ICLARM, the International Center for Living Aquatic Resources Management) in collaboration with the Food and Agriculture Organization of the United Nations (FAO) and with the support of the European Commission (EC).

These synopses present a standardized printout of the information on the above-mentioned species incorporated in FishBase as of 11 May 2004, is inspired from the format suggested for such documents by H. Rosa Jr. (1965, FAO Fish. Syn. (1) Rev 1, 84 p.).

We cannot guarantee the total accuracy of the information herein; also we are aware that it is incomplete and readers are invited to send complementary information and/or corrections, preferably in form of reprints or reports to the FishBase Project, WorldFish Center, MC P.O. Box 2631, Makati, Metro Manila 0718, Philippines.

Some hints on how to use the synopses

The following definitions are meant to help you better understand the way this synopsis presents information and document its sources.

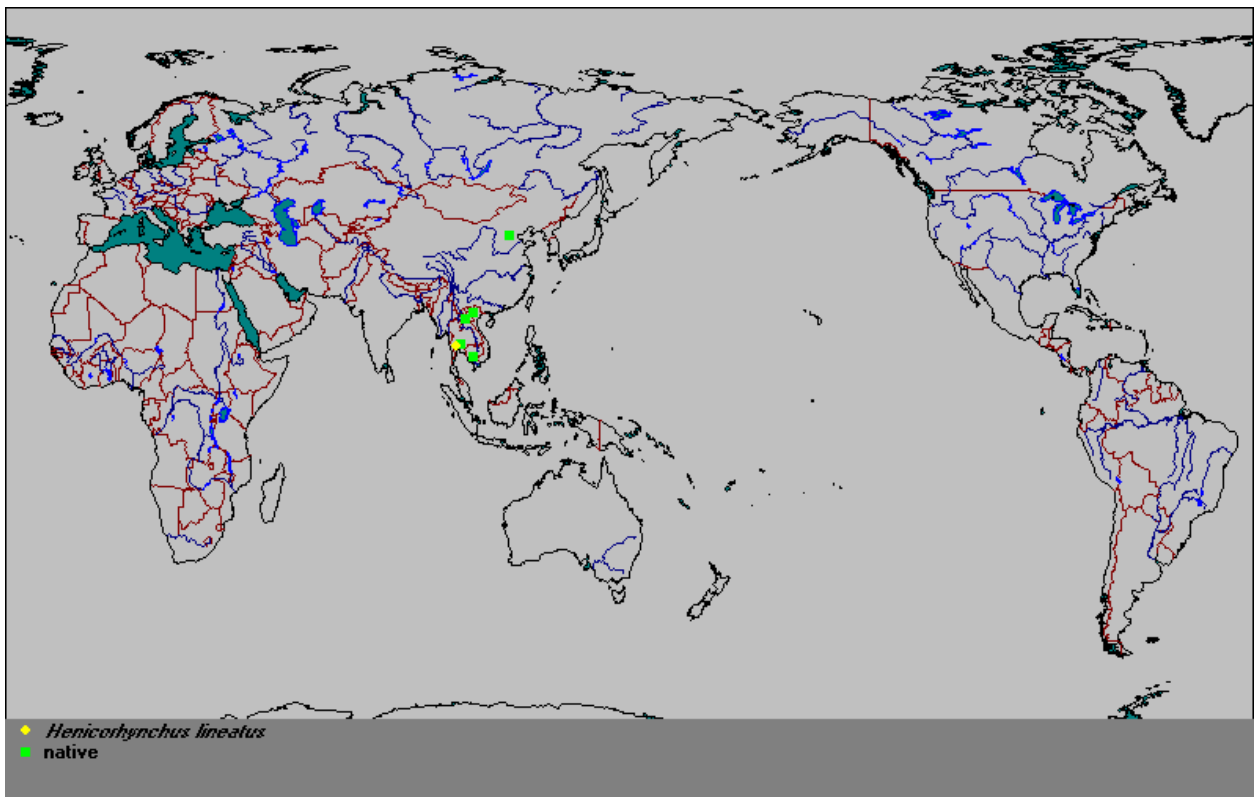
Please refer to the FishBase book for more details; and do not hesitate to contact FishBase staff if you have suggestions or information that would improve the format or the contents of this synopsis.

- SpecCode : Numeric FishBase code, assigned to a species and used for internal purposes only.
- StockCode : Numeric FishBase code, assigned to the species in general, a wild population, or a cultured strain. Since, to date, only a few species have been separated into stocks, the StockCode usually refers to the species in general.
- MainRef. : Numeric FishBase code corresponding to the reference used as a source for most of the information within a table.
- Ref. : Numeric FishBase code corresponding to the reference associated with a specific entry or set of entries; when left empty, the source of information is the MainRef. Note that the references listed at the end of this synopsis are arranged according to their numeric codes, and not alphabetically.
- Empty fields : Imply information that is currently not available to the FishBase project and/or information which is available but which has not been entered as of 31-Mar-04 . Note that the character 0 (zero) is used as a valid numerical value, and does not indicate that no information is available.
- Choice fields: Much of the information in this synopsis was entered via multiple choice fields; the available alternatives must be considered when evaluating the wisdom of a given choice.
- Remarks or Comment fields: The free text included in such fields may have been taken verbatim from the source in "Ref.", in which case this should be regarded as a direct citation (but lacking quotation marks); alternatively, the text may have been modified/adapted from one or several sources. In the latter case, additional "Ref." numbers may be incorporated in the text.

Henicorhynchus lineatus (Smith, 1945)



picture (Helin_u0.jpg) by [Baird, I.G.](#)



Summary information on the family *Cyprinidae*

Family : Cyprinidae (Minnows or carps)
Order : Cypriniformes
Class : Actino:pterygii (ray-finned fishes)

MainRef. : 007463
FamCode : 122

Number of genera : 210
Number of species : 2010

Occurs in : Marine
 Brackish
 Freshwater

Aquarium fishes : many

First fossil record : lower Tertiary Eocene Ref. :004879

Species currently in FishBase: Genera: 331 Species: 2408 (Including subspecies) complete : Yes

Remarks: Distribution: North America (northern Canada to southern Mexico), Africa, and Eurasia. Pharynx with 1 to 3 rows of teeth, each row with a maximum of 8 teeth. Usually thin lips, plicae or papillae absent; mouth sometimes suckerlike (*Garra* and *Labeo*). With or without barbels. Premaxilla usually borders the upper jaw making the maxilla entirely or almost entirely excluded from the gape. Usually protrusible upper jaw. Dorsal fin with spinelike rays in some. Primitive number of chromosomes $2n=50$, some with 48; polyploidy exists. Maximum length at least 2.5 m to probably 3 m in *Catlocarpio siamensis*; many species less than 5 cm. Mainly non-guarders, but in some species males build nests and/or protect the eggs.

Etymology: Greek, *kyprinos* = goldfish. 1828 (Ref. 45335).

Information on the genus *Henicorhynchus*

and its synonyms, after Eschmeyer March 2003 (Ref. 46206)

Henicorhynchus Status : synonym

Gender : masculine

Smith, 1945, p. 256, CAS Ref: 4056

Type by original designation (also monotypic).

Type species : *Henicorhynchus lobatus* (Smith, 1945)

Current genus: *Cirrhinus*

General information on *Henicorhynchus lineatus*

Classification

Class	: Actinopterygii (ray-finned fishes)	MainRef. : 027732
Order	: Cypriniformes	
Family	: Cyprinidae (Minnows or carps)	
Subfamily	:	
Species	: <i>Henicorhynchus lineatus</i>	
Author	: (Smith, 1945)	

Environment

Freshwater	: Yes	Habitat	: benthopelagic
Used for aquaculture	:	never/rarely	
Used as bait	:	never/rarely	
Aquarium fish	:	never/rarely	
Game fish	:	No	
Dangerous fish	:	harmless	
Electrobiology	:	no special ability	

Size and age

Maximum length (cm) (male/unsexed) :	15 SL	(female) :	Ref. : 027732
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Remarks

Occurs mainly in medium to large-sized rivers and enters flooded fields (Ref. 12975).

Synonyms, misidentifications, etc. used for *Henicorhynchus lineatus*

Synonym	Author	Status	Ref.
<i>Henicorhynchus cryptopogon</i>	(non Fowler, 1935)	misidentification	033488
<i>Henicorhynchus lineatus</i>	(Smith, 1945)	new combination	027732
<i>Cirrhinus lineatus</i>	Smith, 1945	original combination	036656

Total=3

Common names for *Henicorhynchus lineatus*

<u>Name</u>	<u>Language</u>	<u>Country</u>	<u>Ref.</u>
Pasoi	Laotian	Lao People's Dem. Rep	010421
Pa soi lai	Laotian	Lao People's Dem. Rep	037767
Pla soi la	Thai	Thailand	009648

Distribution of *Henicorhynchus lineatus*

Asia: Mekong and Chao Phraya basins.

MainRef.: 027732

Country	Status	Ref.
Cambodia	native	033488
Occurs in the Mekong basin (Ref. 27732). Recorded from O. Changni, small stream on road from Ann Long Mea to Ban Lung, Ratanakiri prov (Ref. 33488). Also Ref. 43281.		
China	native	038630
Occurs in the Mekong basin in Yunnan. Also Ref. 27732,43281.		
Lao People's Dem. Rep.	native	043281
Known from the Mekong basin. Occurs in the lower and middle Xe Bangfai (Ref. 27732). Found in Ban Hang Khone in the middle of the mainstream Mekong River just below the Great Khone Waterfalls in Khong District, Champasak Province (Ref. 37767). Museum:Mekong at Ban Hang Khone, just below Khone falls, CAS 94791 (Ref. 5515). Also Ref. 30857.		
Thailand	native	027732
Occurs in the Mekong and Chao Phraya basin (Ref. 26336,27732). Museum: Mekong mainstream, CAS 96196 (between Pak Ing and JomPaeng, about 4-5 km downstream); CAS 91766 (fromPakIngto TomPaeng, 4-5 km downstream) (Ref. 5515). Also Ref. 43281.		
Viet Nam	native	043281
Occurs in the Mekong basin.		

Total native = 5

Total introduced = 0

Summary information (no. of records) available for *Henicorhynchus lineatus*

Level: species in general		StockCode: 027732		MainRef.: 027732	
Asia: Mekong and Chao Phraya basins.					
Ecology	0	Max. sizes	0	Strains	0
Food Items	0	FAO catches	15502	Diseases	0
Food consumption	0	Genetics	0	Ciguatera	0
Diet composition	0	Allele frequency	0	Ecotoxicology	0
Ration	0	Heritability	0	Metabolism	0
Predators	0	Reproduction	0	Gill area	0
Morphology	1	Spawning	0	Swimming Type	0
Processing	0	Eggs	0	Swimming speed	0
Growth/mortality	0	Egg dev't.	0	Vision	:0
Maturity	0	Larvae	:0	Brains	0
Recruitment	0	Larval dynamics	:0	Introductions	0
L/Wrelat.	0	Aquaculture	0	Occurrence	17

Total = 1

Morphology of *Henicorhynchus lineatus*

Level : species in general

StockCode : 042148

Main Ref. : 027732

Appearance refers to : O females O males

DIAGNOSTIC CHARACTERS

Distinguishable by its relatively slender body (body depth 3.5-3.8 times in SL), 5-6 faint longitudinal stripes along the sides (Ref. 27732); pair of small maxillary barbels (Ref. 43281)

MERISTIC CHARACTERS

Lateral Lines interrupted : No

Scales on lateral line 34-35

Scales in lateral series 34-35

Gill rakers on lower limb total : 38-38

Vertebrae preanal 20 - 22 total : 3233

Dorsal fins

Adipose fin : absent finlets dorsal : 0-0 finlets ventral

Caudal fin

Shape of fin : forked

Attributes : more or less normal

Paired fins

Pectoral attributes : more or less normal

Pelvics attributes : more or less normal

position : abdominal behind origin of D1

References used for *Henicorhynchus lineatus*

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