

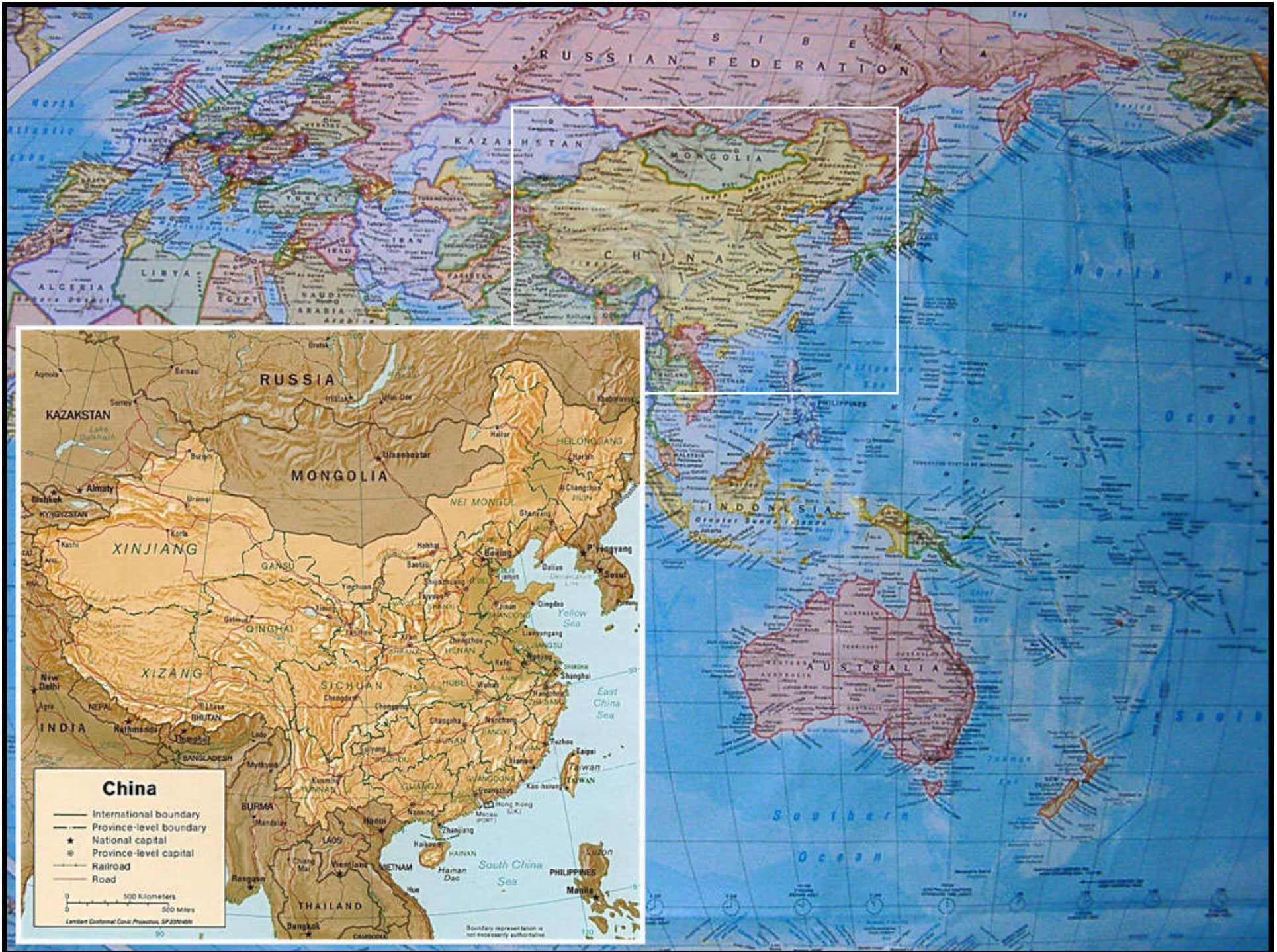
Amended Checklist of Cave Fishes in China

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Main road









Reasons for this checklist:

- To clarify some of the ambiguities in the current records relating to Chinese cavefish species and the referenced ichthyological literature;
- To correct some of the apparent errors or inadequate detail associated with publication titles and author names;
- To provide an updated (or amended) record of the known cavefish species in China;
- To list more accurate and detailed species record data relating to cavefish habitat, Type locality or collection sites and troglomorphic status;
- To determine the taxonomic status of species and verify the existence of Type specimens.

Map of China

Locations of provinces,
autonomous regions
and municipalities.



Family (and sub-family) groups for 32 cavefish species in China

- Mountain Loaches (Balitoridae:
Nemacheilinae) = 2
- Loaches (Cobitidae: Cobitinae) = 13
- Cyprinidae: Barbinae = 17

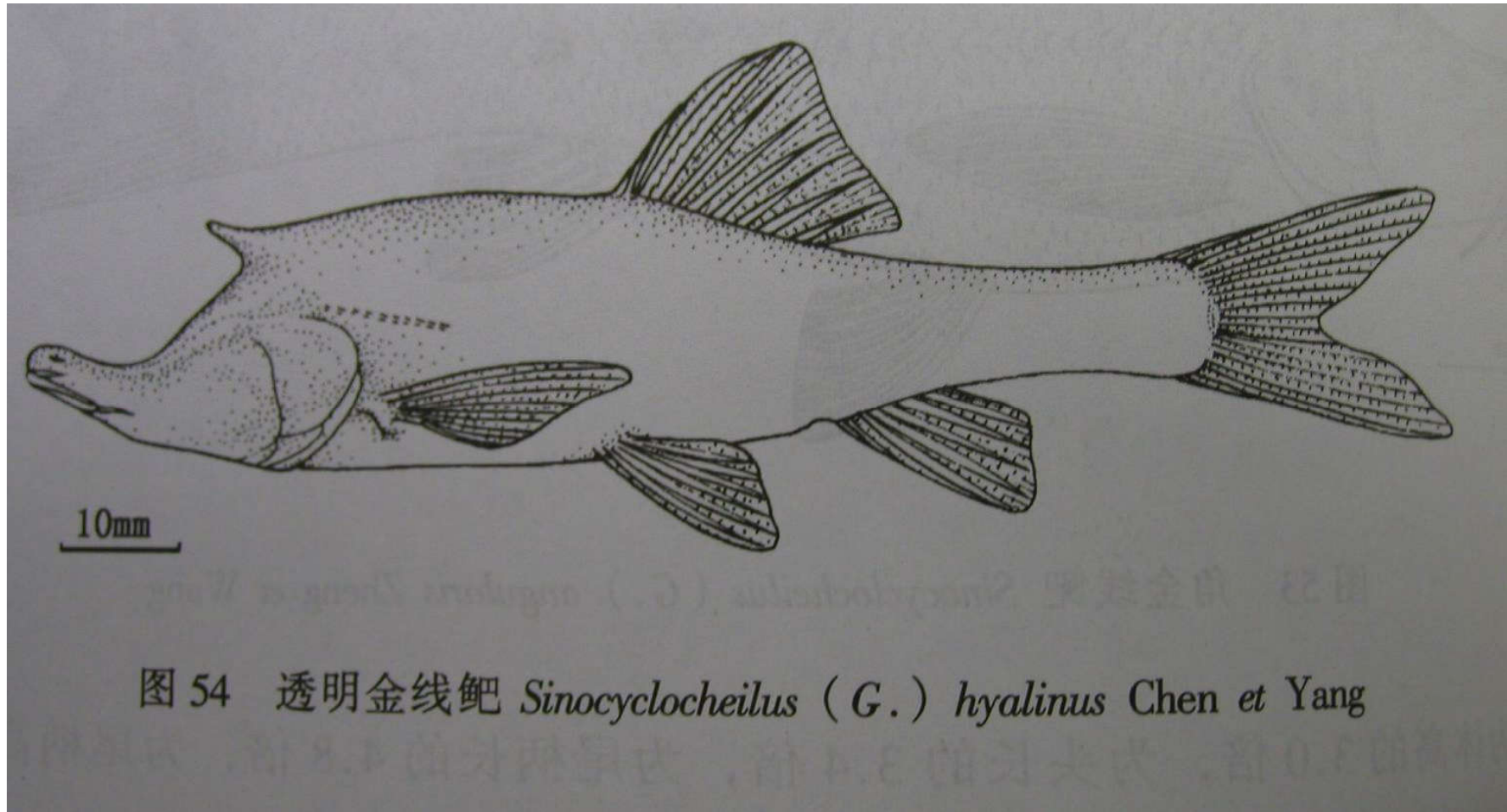


图 54 透明金线鲃 *Sinocyclocheilus* (G.) *hyalinus* Chen et Yang

Sinocyclocheilus cyphotergous

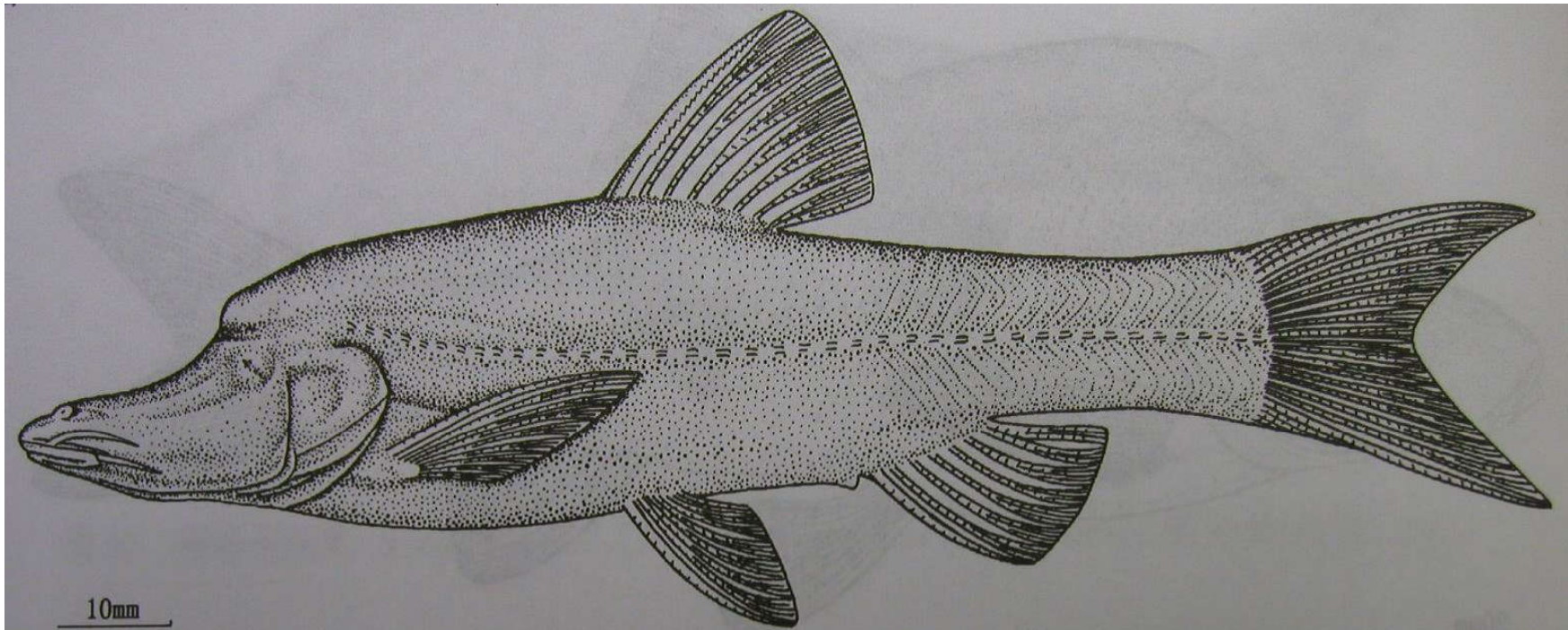
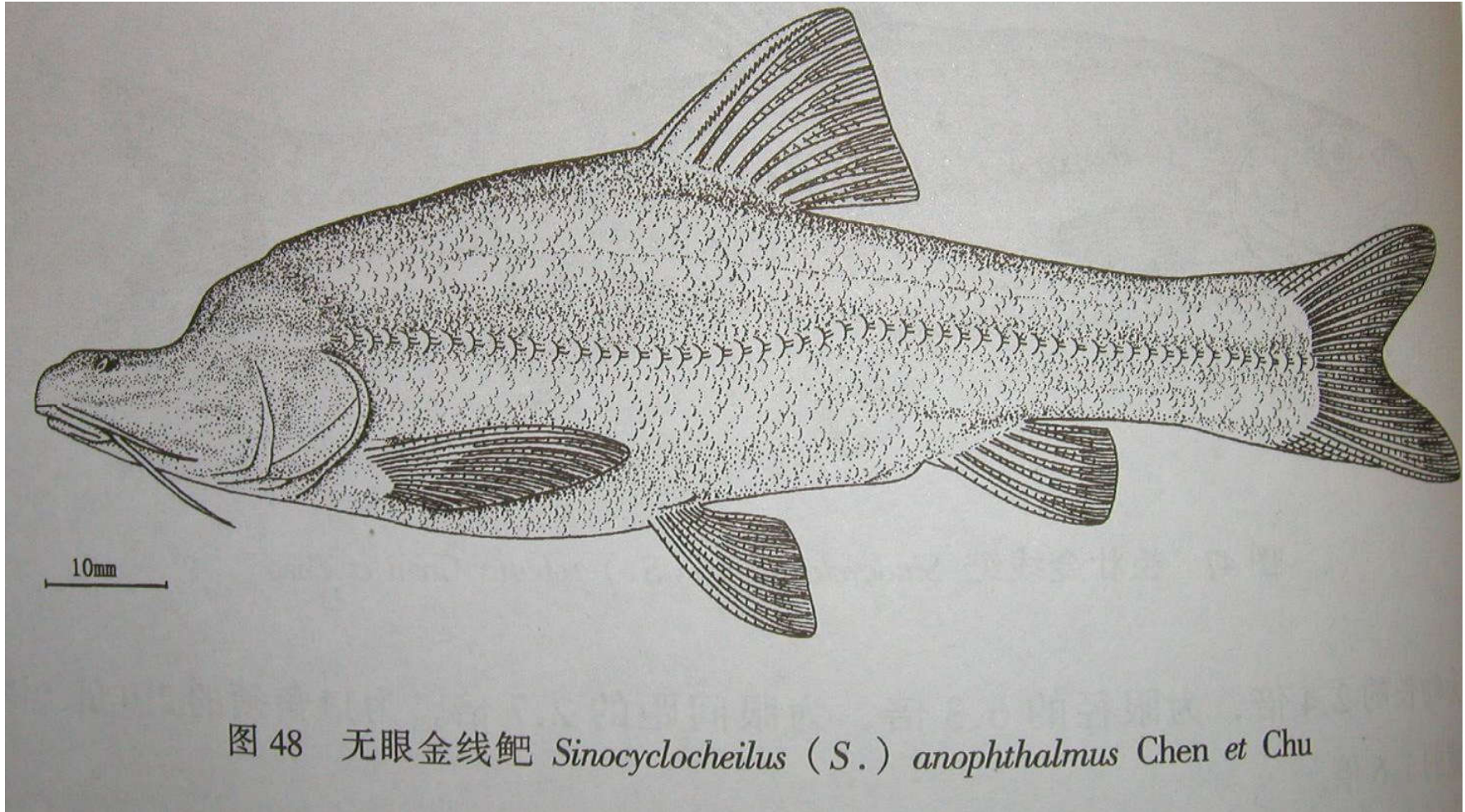


图 52 鸭嘴金线鲃 *Sinocyclocheilus* (G.) *anatirostris* Lin et Luo

Sinocyclocheilus anatirostris



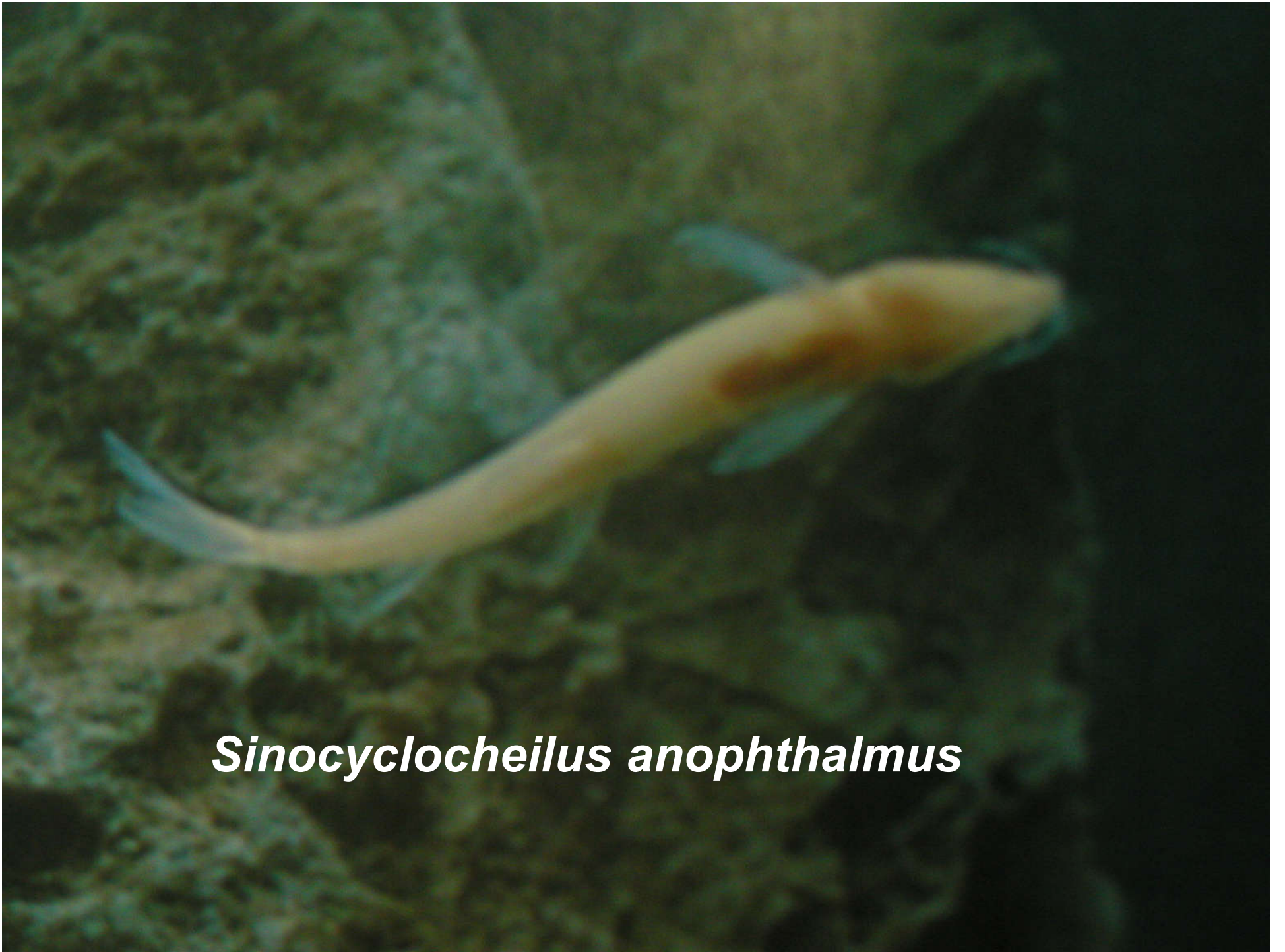
Sinocyclocheilus altishouderus



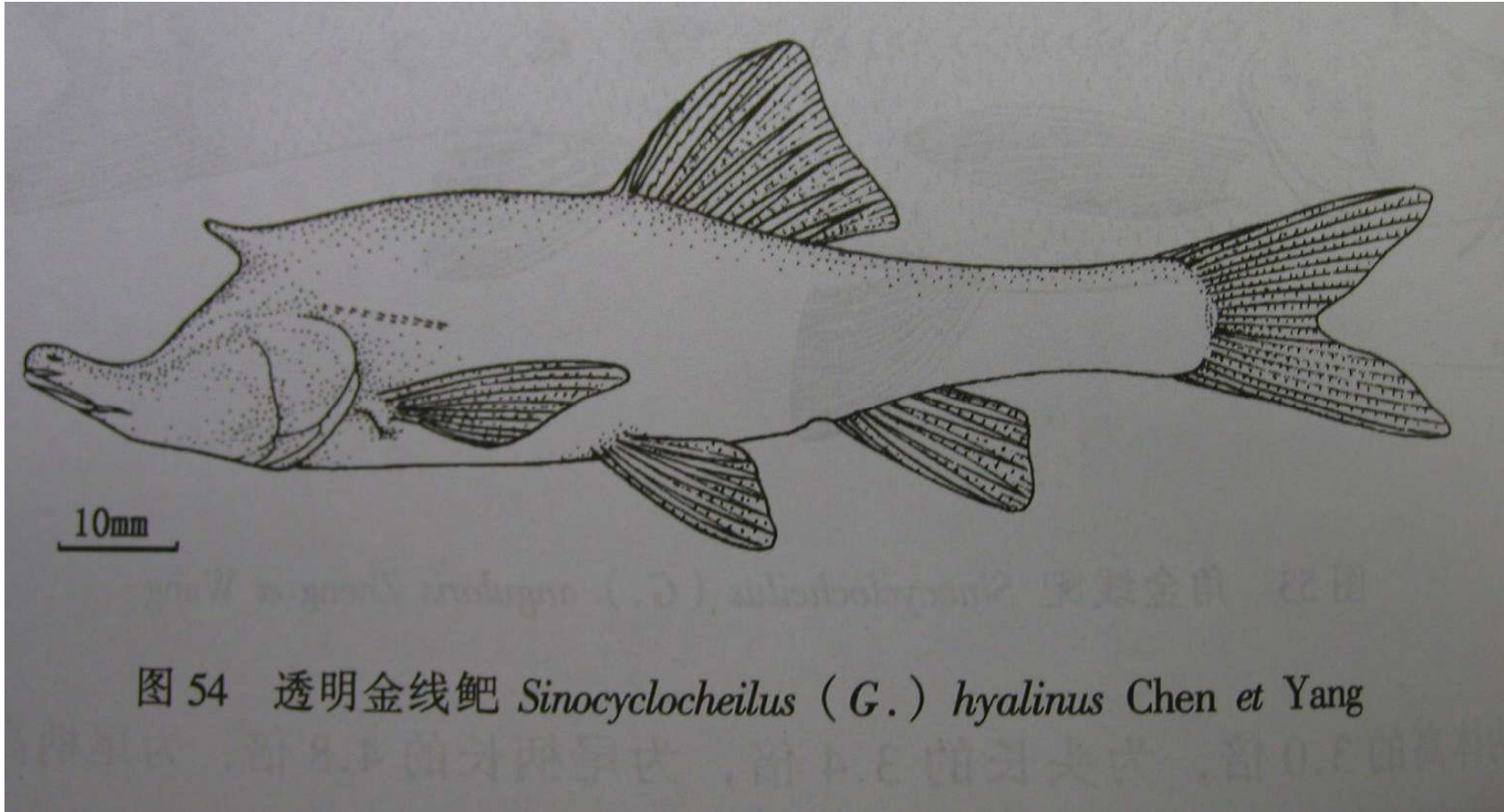
Sinocyclocheilus anophthalmus

Sinocyclocheilus anophthalmus





Sinocyclocheilus anophthalmus



Sinocyclocheilus hyalinus

Sinocyclocheilus hyalinus



Table 1: Checklist summary of the 32 cavefish species recorded from China, with:

- species listed alphabetically,
- original year of description (or record),
- cave habitat,
- province & geographical region,
- ecological status and
- lodgement or registration of species types (where known).

**Checklist
summary
of the 32
cavefish
species
recorded
from
China**

<i>Anchicyclocheilus</i>	<i>halfibindus</i>	1992	Underground lake	NW Guangxi	Troglobite	Yes
<i>Heminoemacheilus</i>	<i>hyalinus</i>	1996	Underground river	N-central Guangxi	Troglobite	Yes
<i>Nemacheilus</i>	<i>liboensis</i>	1989	Un-named cave	SSE Guizhou	Troglobite	??
<i>Oreonectes</i>	<i>anophthalmus</i>	1981	Taiji Cave	central Guangxi	Troglobite	Yes
<i>Oreonectes</i>	<i>furcocaudalis</i>	1987	Subterranean outlet	northern Guangxi	Troglobite	Yes
<i>Oreonectes</i>	<i>retrodorsalis</i>	1995	Subterranean outlet	northern Guangxi	Troglobite	Yes
<i>Paracobitis</i>	<i>longibarbatus</i>	1998	Cave stream & lake	SSE Guizhou	Troglobite	??
<i>Paralepidocephalus</i>	<i>yui</i>	1935	Cave waters	S-central Yunnan	Sub. Ecotype	Yes
<i>Protocobitis</i>	<i>typhlops</i>	1993	Cave pond	N-central Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>altishoulderus</i>	1992	Underground river	NW Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>anatirostris</i>	1986	Cave waters	NW Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>angularis</i>	1990	Un-named cave	western Guizhou	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>anophthalmus</i>	1988	Cave river	Yunnan	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>biangularis</i>	1993	Cave (?)	Guizhou	Troglobite	No
<i>Sinocyclocheilus</i>	<i>cyphotergous</i>	1988	Cave waters	southern Guizhou	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>furcodorsalis</i>	1997	Underground river	NNW Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>guilinsis</i>	1985	Cave waters	NE Guangxi	Troglobite	No
<i>Sinocyclocheilus</i>	<i>hyalinus</i>	1994	Underground river	eastern Yunnan	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>lingyunensis</i>	2000	Cave waters	NW Guangxi	Cave-limited	Yes
<i>Sinocyclocheilus</i>	<i>longibarbatus</i>	1989	Cave (?)	SSE Guizhou	Cave-limited	Yes
<i>Sinocyclocheilus</i>	<i>macrophthalmus</i>	2001	Cave waters	N-central Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>malacopterus</i>	1985	Cave waters	Yunnan	Cave-limited	Yes
<i>Sinocyclocheilus</i>	<i>microphthalmus</i>	1989	Cave waters	NW Guangxi	Troglobite	Yes
<i>Sinocyclocheilus</i>	<i>rhinocerosus</i>	1994	Spring waters	eastern Yunnan	Troglobite	Yes
<i>Triplophysa</i>	<i>aluensis</i>	2000	Cave waters	eastern Yunnan	Troglobite	??
<i>Triplophysa</i>	<i>gejuensis</i>	1989	Subterranean waters	southern Yunnan	Troglobite	Yes
<i>Triplophysa</i>	<i>nandanensis</i>	1995	Subterranean outlet	northern Guangxi	Troglobite (?)	Yes
<i>Triplophysa</i>	<i>nanpanjiangensis</i>	1988	Subterranean outlet	eastern Yunnan	Troglobite (?)	Yes
<i>Triplophysa</i>	<i>shilinensis</i>	1992	Subterranean waters	eastern Yunnan	Troglobite	Yes
<i>Triplophysa</i>	<i>xiangxiensis</i>	1986	Subterranean waters	NE Hunan	Troglobite	Yes
<i>Triplophysa</i>	<i>yunnanensis</i>	1990	Cave waters	S-central Yunnan	Troglobite (?)	Yes
<i>Typhlobarbus</i>	<i>nudiventris</i>	1982	Base of sinkhole	Yunnan	Troglobite	Yes

**25
Troglobites;**

1

**Troglobitic
ecotype of
epigean
species;**

3

**possible
troglobites;**

3

**cave-limited
species with
no troglo-
morphism**

Geographical distribution of cavefish in China (by provincial region)

- **Central Guangxi = 1; N-central Guangxi = 3; Northern Guangxi = 3; NW Guangxi = 6; NE Guangxi = 1. Total Guangxi = 14.**
- **Southern Guizhou = 1; SSE Guizhou = 3; Western Guizhou = 1; ?Guizhou = 1. Total Guizhou = 6.**
- **NE Hunan = 1. Total Hunan = 1.**
- **S-central Yunnan = 2; Eastern Yunnan = 5; Southern Yunnan = 1; ?Yunnan = 3. Total Yunnan = 11.**

Caves with more than one cavefish species

- **Shadong, Lingyun County, NW Guangxi**
Sinocyclocheilus lingyunensis; *S. microphthalmus*
- **Jiuxiang Dong, Yiliang Co., southern Yunnan**
Sinocyclocheilus anophthalmus; *Triplophysa yunnanensis*;
Paralepidocephalus yui
- **Alu-gu Dong, Luxi Co., eastern Yunnan**
Sinocyclocheilus hyalinus; *Triplophysa aluensis*
- **Xijiang caves, Du'An Co., central Guangxi**
Protocobitis typhlops; *Oreonectes* sp.; *Heminoemacheilus hyalinus*

New undescribed cavefish in China

- **Jianshui County, Yunnan** – Troglobitic loach
- **Qianxi County, Guizhou** – 2 troglobitic loaches
- **Leye County, Guangxi** – Troglobitic loach (Ballitoridae) & catfish (Siluridae)
- **Lingyun County, Guangxi** – Troglobitic eel Siluridae (catfish)

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