

# Succinct note about Geography and Climate of Location of *Iranocyprictyphlops*

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**Abstract.** In this paper we compilation of simple data about Iranian blind cave-fish or *Iranocyprictyphlops*, and present for speedy study by amateur reader or tyro biologist and tyro zoologist. In fact blind fishes from Iranian cave are one of the rare kind of blind fishes that they can was very important in relationship with Evolution theory. Hence we offer the real locality and simple characteristics of *Iranocyprictyphlops* , . Afterward we explain about geography and climate of location of Iranian blind fish cave.

**Key word:** Blind cave-fish, *Iranocyprictyphlops*, Lorestan, Levan

## 1 Introduction

Blind fish is a rare kind of fishes that is without the any eyes. Hitherto discovered 40 kinds of blind fish. Subterranean blind cave-fish in Iran was firstly discovered by Danish geologist E.W Kaiser in 1937 (Bruun and Kaiser 1948). Kaiser and Bruun presented the Iranian cave-fish with name is *Iranocyprictyphlops* or *G.typhlops* (Bruun and Kaiser 1948). The *Iranocyprictyphlops* is not only blind fish that living in the Iranian cave blind fish, because several years after of Kaiser and Bruun, the British biologist A. Smith from Oxford university went to Iran and discovered a new Iranian blind fish in the same cave ( A.Smith 1953). This new kind of blind fish called is *Paracobits Smithi* (Greenwood 1976). Also the new locality of Iranian cave fish report by Mahjoorazad and Coad in 2009. Recently, presented the new articles and studies on Iranian blind fishes that for more than details about these articles you can see Sargeran (2008); Mousavi-Sabet (2013); Hashemzadeh (2012); Sayyadzadeh (2015).

## 2 Characteristics of *Iranocyprictyphlops*

### 2.1 Exterior particulars

**Length of Body and Head:** This fishes have a round body and head somewhat is flattened. Moreover by (Mousavi-Sabet 2016) we have the following sampling data of length body and head:

Length	Min (mm)	Max (mm)	Mean (mm)	SD
Body	27.2	58	...	...
Head	0.228	0.267	0.199	0.011

**Table 1.** Sampling data for length of Body and Head

**Eyes:** These fish are without eyes.

**Color body:** Pink.

**Scale:** The body of *Iranocyprictyphlops* has scattered scales in later line.

**Type of scale:** Cycloid.

**Barbel:** They have tow pairs of barbells. the first pair located on the upper lip and other pair near the mouth corner, between upper and lower lips.

### 2.2 Water

**PH:** 5.7

**Temperatures:** Variable between 5°C and 28°C .

### 2.3 Sexuality

Sexuality on *Iranocyprictyphlops* and *Paracobits Smithi* is indeterminate. Innuendo, we can not exactly talk that which cave-fish is male or female. See(Sargeran 2008) for some sampling results in this subject.

### 2.4 Family type and DNA

**Family type:** Cyprinidae.

**DNA:**



For more than details of DNA of Iranian cave fish see (Clare 2007 and Hashemzadeh 2012).

Season	Min	Max
Summer	12°C (54°F)	32°C (90°F)
Winter	-2°C (28°F)	8°C (46°F)

**Table 3**

**3 Locality of *Iranocyprictyphlops***

The locality of *Iranocyprictyphlops* disposal in table 2.

Country	Province	Township	Village	Oasis	Cave
Iran	Lorestan	Khorrabad	Levan	Bagh-e-levan	Blind fish

**Table 2.** Locality of *Iranocyprictyphlops*

**Remark.** Note that in the many articles about the Iranian cave-fish was be write that Lorestan province put in the south-west Iran country that this is false. In fact Lorestan province put in the western Iran.

**3.1 Geography and Climate**

Lorestan province (Persian: استان لرستان) is a province of western Iran in the Zagros mountains. Lorestan covers an area of 28392km<sup>2</sup>. The major cities in the Lorestan province are Alashtar, Aligoodarz, Azna, Borujerd, Dorood, Khorrabad, Noor Abad, Pol-e-Dokhtar. The capital of Lorestan province is Khorrabad. The terrain involve of the mountains, with numbrous ranges, part of the Zagros chain, running northwest to southeast. Zagros mountains covers by Oak forest, together with Maple, Almond and Walnut trees.

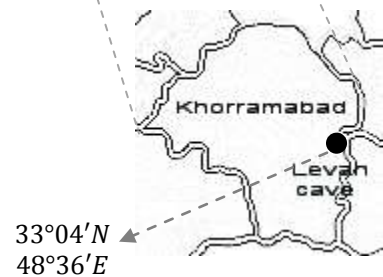
The climate is generally sub-humid with winter. In capital of Lorestan province (Khorrabad, near the cave-fish) the average annual precipitation totals 530mm (21 inches) of rain fall, that this value in highest mountains such as mountain include the cave-fish, may up to 1270mm (50 inches). Temperatures vary widely with the seasons and between day and night. At Korramabad, summer and winter typically range are extract in table 3.



**Figure 1.** Location of Iran country



**Figure 2.** Location of Lorestan Province



**Figure 3.** Location of Levan cave within the Korramabad, Tang-e-eHaft, Levan villag

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