

Joel Garcia

Bluehead chub_RS30

Nocomis leptocephalus

Taxonomy:

Kingdom-Animalia

Phylum- Chordata

Class- Actinopterygii

Order- Cypriniformes

Family- Cyprinidae

Genus- Nocomis

Species- *N. leptocephalus*



The Bluehead chub was located and collected in a headwater stream in Rock Springs Park.

550 Rock Springs Rd, Lawrenceville, GA 30043

34.03935° N, 84.02330° W

The Shannon H' value associated with Rock Springs is 1.39586975840622

Morphological Characteristics: An average adult Bluehead chub are on average between 70 and 160 mm in length. They have a stout body build with uniformed large scales which are also present on the belly and breast. They are named Bluehead because of the appearance of males having blue heads during breeding season. They have a darkened lateral band, a fairly short and rounded snout, and red coloration on the fins and iris of the eyes.

Basic ecology:

Habitat- The Bluehead chub is native to the United States and can be found primarily in the southeast region. The Bluehead chub resides in freshwater pools, creeks, and small to medium sized rivers with sandy or rocky bottoms. They live in warm to cool waters that have a swift current and are usually cloudy with suspended matter.

Reproduction- Bluehead Chubs are born in spring, and they reproduce by external fertilization. The male makes a nest of gravel in a mound for the female to deposit the eggs for the male to then fertilize. After fertilization, the male guards the eggs until the hatch and the spawn mature for three years before reaching reproductive maturity.

Feeding- Both the immature and the adult Bluehead chubs are herbivores and invertivores.

Species Interactions- Very little is known about interactions between Bluehead chubs and other fish that reside in the same area.

DNA sequence:

>RS30F22

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CTCCCTTAATATTATGTA  
CTACTATATAGGTGCCTGAGCTGGAATNGTG  
GGAACCGCTTTAAGCCTCCTTATTCGAGCC  
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GACATAGCATTCCCACGAATAAATAACATAAGCTTCTGACTCCTACCCCATCATTCTGTTACTGTTAGCCTCTTCT  
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CTTGTAAACCGCTGTT  
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AGTTGTTTTTCCCGGGANNNN
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