

Ecology Wiki Page

1. Create a page that identifies your species number (“Bluegill_RS1”) and your name.

“Blue head Chub_ RS32” *Nocomis leptocephalus* Ray Bell

2. Provide collection location information and Shannon H' values associated with location

Rock Springs Park, Gwinnett County, GA.

Shannon H' = 1.3959

Var H' = 0.0054

3. Provide a photo of the species sample



Ecology Wiki Page

4. Provide taxonomic information (Kingdom, Class, Family, Genus, Species)

Kingdom-Animalia
 Phylum- Chordata
 Class- Actinopterygii
 Family- Cyprinidae
 Genus- Nocomis
 Species- N. Leptocephalus

5. Provide distinguishing morphological characteristics of species

The Nocomis Leptocephalus is known as the Bluehead chub due to male's heads having blue color during breeding season. Blueheads are between 70 and 160 mm in length, with a robust body within large scales. Their body is robust with scales on their breast and belly. They also have a weakly falcate pectoral fin, and pharyngeal teeth, with a large mouth, small eyes and terminal barbel.

6. Provide basic ecology of species (habitat, reproduction, species interactions)

Habitat- These fish live in Creeks, freshwater pools, and small medium rivers that have sandy or rocky like bottoms. Blueheads live in between warm to cool waters that are murky and have swift currents.

Reproduction- Blueheads reproduce by external fertilization, the female releases eggs and male release sperm that fertilizes the eggs. They mature for three years until they reach reproductive maturity.

Species Interactions- Bluehead Chub and yellow fin shiner have mutualistic relationship in that the shiner needs chub nest to spawn but the chub also benefits from additional shiner eggs because they reduce the risk of predation on their own eggs. They also have similar nest size and interactions of individual variation shapes.

7. Provide DNA sequence information (if available)

>RS32F22

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CCCCCTTTTTCTTTTTACCCAAAAGACACGGAAGACNNGGTGCCTTGAGCTGGAAAGTGGGAACCGCTATAAGCC
TCCTTNNTCGAGCCGAATTAAGCCAACCCGGATCACACCTGGGTGATGACCAGATTTATAATGTAATCGTCACTGC
CCACGCCTTCGTAATAATTTCTTTATAGTAATGCCAATTCTGATCGGCGGGTTGGGAATTGGCTTGACTCTAA
TAATTGGTGCACCAGACATAGCATTCCACGAATAAATAACATAAGCTTCTGACTCCTACCCCATCATTCTGTTA
CTGTTAGCCTCTTCTGGTGTGAGGCTGGGGCTGGGACAGGTTGGACCGTATACCCTCCTCTCGCAGGCAACCTCG
CCCACGCAGGAGCATCAGTAGATCTTACGATCTTCTCTTTCATTTAGCAGGTGTGTCAATTTTAGGAGCAGTT
AACTTTATTACCACAATCATTAAACATGAAACCCCCAGCCATTTCCCAATATCAAACACCTCTTTGTATGAGCCGTA
CTTGTAACCGCTGTTCTTCTACTTCTATCGCTACCTGTCCTGGCTGCGGGTATTACAATACTTCTCACTGATCGTAAC
CTAAACACCACATTTTTTTGACCCCGCAGGCGGAGGAGACCCAATCCTGTACCAACACCTATTCTGATTCTTCGGTCA
CCCTGAAGTGCAANTTGTTCCTCCCGGAA
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Citations:

Yoichiro Kanno. (2022, August 26). *Stream Fish Ecology and conservation*. Retrieved November 2, 2022, from <http://sites.warnercnr.colostate.edu/kanno/>

Wikimedia Foundation. (2021, December 13). *Bluehead chub*. Wikipedia. Retrieved November 2, 2022, from https://en.wikipedia.org/wiki/Bluehead_chub#Habitat