

Wiki Page

Christina Barton

Yellow Fin Shiner RS_26_F23 – *Notropis lutipinnis*

Location: Stream in Rock Springs Park, Gwinnett County, Georgia, USA
(34.0400° N, 84.0209° W)

Stream Description: First Order, Headwater Stream

Shannon Diversity Index: $H' = 1.17352351$



Taxonomy:

Kingdom – Animalia

Class – Teleostei

Family – Leuciscidae Bonaparte

Genus – Notropis Rafinesque

Species – Notropis lutipinnis

Morphological ID:

The average size of a yellowfin shiner is 2-3 inches.^{1,3} They are distinguishable by their yellow fins and for having a long black band starting from the tip of its mouth to the end of its tail.³ They have one dorsal fin, one caudal fin, one anal fin, two pelvic fins, and two pectoral fins.

Species Ecology:

Yellowfin shiners can typically be found in small streams in the southeast. They dwell in rocky areas of headwater streams.¹ They are also located in areas that have cool and clear water, and feed on small insects.¹ They typically spawn during early spring and summer. They are the least concerned of the red list of threatened species.^{1,2}

DNA Sequence:

```
CCCTTTTTTTTTTCCCCAAAAAAGAAACCGGGGGCCGGGGCCGGATAAGTG
GGAAGACCGCTAAAAGCCTTC
TACAATCGAGCTGAACTAAGTCAACCTGGCTCACTATAGGTGATGATCAAATCTA
TAAATGTTACTGTTACTGCTCA
CGCCTTTTGTAAATAATTATACTTTATAGTAATGCCAATTCTCATCGGTGGGTTTGG
AATTGACTAGTTCCTCTAATG
ATCGGAGCACCTGACATGGCATTTCACGAATGAATAACATAAGCTTCTGACTTT
TACCCCATCATTCTATTGCT
ATTAGCCTCTTCTGGGGTTGAGGCCGGAGCTGGGACAGGGTGAAGTGTCTACC
CCCCACTTGCAGGTAACCTTGCC
```

CACGCAGGAGCATCAGTAGACCTAACAATCTTCTCTCTCCACCTGGCAGGTGTG
TCATCAATTTTAGGAGCAGTAA
ATTTTATTACCACAATTATTAATAAAAACCCCCAGCAATCTCTCAGTATCAAACAC
CCCTCTTCGTATGGGCCGTAC
TTGTTACTGCCGTCCTTCTACTCCTGTCATTACCCGTTCTGGCCGCCGGGATTAC
TATACTCCTTACTGACCGTAACT
TAAATACTACGTTCTTTGACCCGGCAGGAGGAGGGGATCCTATTCTATACCAGCA
TTTATTCTGATTCTTCGGTCAC
CCTGAAATGTCNAGTTTTTTTTTTTNGGGAGGGGNGTTGTTTAATTTTTTACGTCTT
GTCTCATTGAGACTT

References:

1. Notropis lutipinnis, yellowfin shiner - fishbase.se. (n.d.). <https://www.fishbase.se/Summary/SpeciesSummary.php?id=2875>
2. The IUCN Red List of Threatened Species. IUCN Red List of Threatened Species. (n.d.). <https://www.iucnredlist.org/>
3. Notropis lutipinnis " ncfishes.com. NCFishes.com. (2021, July 5). <https://ncfishes.com/freshwater-fishes-of-north-carolina/notropis-lutipinnis/>