

Roanoke Hogsucker (from NC WINS) ^[1]

Roanoke Hogsucker

Hypentelium roanokense

by Aimee H. Fullerton, Division of Inland Fisheries
Updated by Robert B. Nichols, Aquatic Wildlife Diversity Coordinator
[N.C. Wildlife Resources Commission](#). ^[2]



ClassificationRoanoke Hogsucker

Class: Actinopterygii (rayfinned fishes)
Order: Cypriniformes

Average Length

2.7 to 6.3 in.

Food

Insect larvae, crustaceans and low vegetation encrusted on rocks



View or download the full profile from the NC Wildlife Resources Commission ^[4]**Spawning**

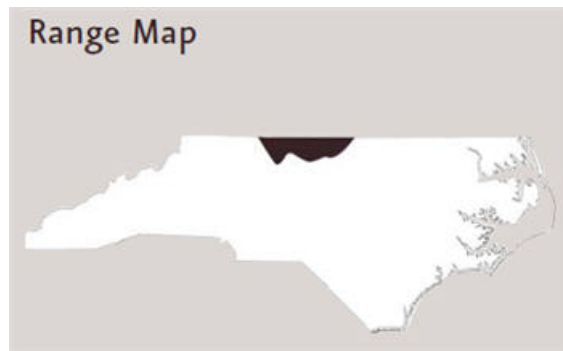
Early to mid-spring. Little is known about the spawning habits of this species.

Young

Males mature in 1 year but often require 2 years, and the female matures in 3 years.

Life Expectancy

4 years for males; 5 for females



The Roanoke hogsucker can be found in the Range and Distribution shaded regions.

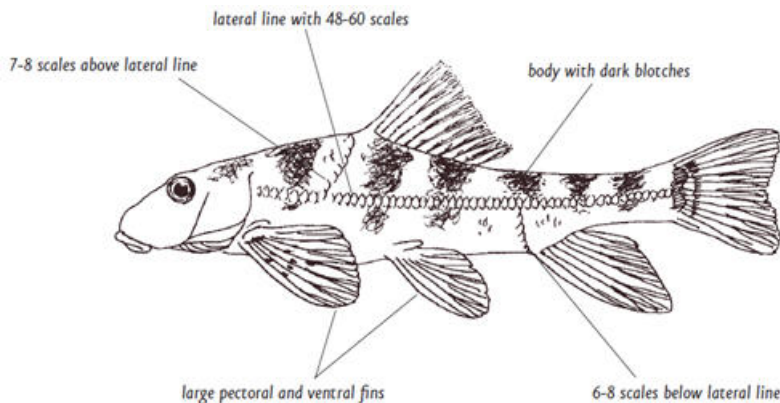
The sucker family is widespread throughout North America, but the Roanoke hogsucker has a limited distribution. It occurs only in the Dan River subdrainage of the upper and middle Roanoke River basin, which includes counties in Virginia and North Carolina ([Caswell](#) [5], [Stokes](#) [6] and [Rockingham](#) [7] counties). Its relative, the northern hogsucker, occurs in the same areas as well as in the Blue Ridge province of western North Carolina, in the upper [Neuse](#) [8] and Tar River basins of the state and in other states as well.

General Information

The Roanoke hogsucker is often confused with its close relative the northern hogsucker. They are similar in appearance, and both species belong to the sucker family, Catostomidae. This large family consists of many subgroups. The hogsuckers belong to the Moxostoma group of the Moxostomatini tribe. Although hogsuckers are not considered sportfish, many anglers enjoy the fight put up by these somewhat large stream fish. And streams with healthy populations of hogsuckers typically contain healthy populations of bass. Part of the hogsucker's name comes from its ability to attach to a rock or shell with its sucker-like mouth to avoid being swept downstream.

Description

The Roanoke hogsucker, like the northern hogsucker, is a robust fish with a large, squarish head and large, protruding lips. The head is often concave between the eyes, and the body is cylindrical with dark saddles. The Roanoke hogsucker is generally smaller than the Northern hogsucker, reaching a maximum of just over 6 in. in total length. Adults generally reach 3 to 6 in. in length. The Roanoke hogsucker can also be distinguished from the northern sucker by the following characteristics:



Anatomy of the Roanoke Hogsucker

- Distinct light horizontal lines on the sides and back
- Poorly developed darkish saddles between its head and dorsal fin
- A lateral line with approximately 41 scales
- Approximately 31 pectoral fin rays
- Lips that are papillose (covered with tiny protuberances) on the outer surface and semiplicate (partly covered with fan-like folds) on the inner surfaces.

History and Status

Roanoke hogsuckers are considered nongame fish, which means they are not regulated as fish that people catch to eat. Native to Virginia and North Carolina, the species is considered “significantly rare” by the [North Carolina Natural Heritage Program](#) [9] because of its limited distribution and scarcity. In contrast, populations of the northern hogsucker are common and widespread.

Habitat and Habits

The Roanoke hogsucker is associated with cold-to-warmwater streams having high currents including streams often associated with high-gradient landscapes. It is well-adapted to living on stream bottoms in fast-flowing waters. This species commonly occurs in streams with rocky bottom layers or substrates, but it is also found on sand substrates and mixed substrates including some silt. The Roanoke hogsucker can also be found



Roanoke hogsuckers' coloring gives them excellent camouflage. nd in riffles, runs and pools, often with overhanging rock ledges or banks.

Common food items include aquatic insects (mostly fly larvae) and some algae and detritus—decaying organic matter. Males mature between 1 and 2 years of age, whereas females typically mature and spawn at 2 to 3 years of age. Females apparently live longer, reaching 4 to 5 years; males reach only 3 to 4 years of age. Little is known about this species' breeding habits but it is known to reproduce during early spring (March through May) in Virginia.

People Interactions

Many stream anglers are familiar with hogsuckers. They are well-camouflaged and, when surprised, may dart away and cause anglers to lose footing. Additionally, they may take bait when they run and thus provide a good [recreational fishing](#) [10] experience. Protecting water quality and habitat in the Dan River drainage basin is the best way to ensure the stability of the Roanoke hogsucker.

References:

- Jenkins, R.E., & N.M. Burkhead. Freshwater Fishes of Virginia. 1994. Bethesda, Md.: American Fisheries Society.
- Menhinick, E. F. The Freshwater Fishes of North Carolina. 1991. N.C. Wildlife Resources Commission, Raleigh, N.C.
- Rohde, F.C., R.G. Arndt, D.G. Lindquist, & J.F. Parnell. 1994. Freshwater Fishes of the Carolinas, Virginia, Maryland, and Delaware. Chapel Hill, N.C.

Credits:

Illustrated by Duane Raver. Photography by Virginia Department of Game and Inland Fisheries.

Produced by the Division of Conservation Education, Cay Cross—Editor.



Profile courtesy of **NC WILDLIFE INFORMATION NETWORK SHARE (NC WINS)**

Subjects:

[Wildlife](#) [11]

Authors:

[Fullerton, Aimee H.](#) [12]

[Nichols, Robert B.](#) [13]

Origin - location:

[Piedmont](#) [14]

From:

[NC Wildlife Information Network Share \(NC WINS\).](#) [15]

Source URL:<https://ncpedia.org/roanoke-hogsucker-nc-wins>

Links

[1] <https://ncpedia.org/roanoke-hogsucker-nc-wins> [2] <https://www.ncwildlife.org/> [3] <https://creativecommons.org/licenses/by-nd/4.0/> [4] <https://www.ncwildlife.org/Portals/0/Fishing/documents/roanoke.pdf> [5] <https://ncpedia.org/geography/caswell> [6] <https://ncpedia.org/geography/stokes> [7] <https://ncpedia.org/geography/rockingham> [8] <https://ncpedia.org/rivers/neuse> [9] <http://portal.ncdenr.org/web/nhp/home> [10] <https://ncpedia.org/fishing-recreational> [11] <https://ncpedia.org/category/subjects/wildlife> [12] <https://ncpedia.org/category/authors/fullerton-aimee-h> [13] <https://ncpedia.org/category/authors/nichols-robert-b> [14] <https://ncpedia.org/category/origin-location/piedmont> [15] <https://ncpedia.org/category/entry-source/nc-wildlife-i>