Proceedings Paper

- **NEW PAGE LENGTH** Maximum 10 pages
- Single Spaced
- Windows 10/Office 365/Word 2016 is required for preparing your paper.
- One Inch Margins - Full Justified

**Heading**

The heading goes in the upper right hand corner, first page only. Times New Roman-9. (Not in the header space)

Proceedings of The National Conference
On Undergraduate Research (NCUR) 2020
Montana State University, Bozeman MT
March 26-28, 2020

**Title**

The title should be centered and one space below the heading. Times New Roman-14, title case and bold.

**Fall and Winter Movement Patterns of Translocated Adult Sicklefin Redhorse**

* (Moxostoma sp.) in the Oconaluftee River, North Carolina

**Personal Data (faculty are not considered co-authors)**

Name, Department, University, Faculty. Times New Roman-12

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**Abstract**

Please include the abstract that you sent to NCUR back in October for acceptance. The word "Abstract" should be centered, bolded and size 12. The abstract itself should be in size 10.

**Abstract**

The southeastern United States contains the most diverse freshwater fauna in North America, yet many of these species are imperiled. The Sicklefin Redhorse is currently an undescribed species of the genus *Moxostoma*, endemic to the Hiawassee and Little Tennessee river basins of western North Carolina and northern Georgia. They are listed as a priority wildlife species of North Carolina with a state status of “significantly rare”, and are expected to gain federal protection under the Endangered Species Act within the next year. Like many potamodromous fishes, the Sicklefin Redhorse population is at risk of fragmentation due to stream impediments, habitat degradation, and restriction of its natural home range. The objective of this study was to determine the suitability of the Oconaluftee River, which is historically within Sicklefin Redhorse’s home range, for future reintroductions by tracking movement patterns of translocated individuals. Ten native Sicklefin Redhorse were collected from the Tuckasegee River in Swain County, NC, surgically implanted with radio transmitters, and translocated into the Oconaluftee River. Fish were tracked individually using radio telemetry for six months. Movement patterns for newly translocated fish, as well as seasonal patterns for female Sicklefin Redhorse, were comparable to those found within their current range. Although some
fish moved extensively, the sedentary patterns observed in females is indicative that the habitat provided in the Oconaluftee River may be suitable for the Sicklefin Redhorse. Continued observation throughout the spawning season will help in fully determining suitability of the Oconaluftee river for future management and restoration of this imperiled species to its native home range.

Keywords

Chose three words that best describe your paper. Please list one space below the abstract, size 10, bolded.

Keywords: Patterns, Adult Sicklefin Redhorse, North Carolina

Body of Paper

Headings should be size 12, bold. Body of section one is single spaced, full justified Times Roman size 10.

1. Body of Paper

Your paper must be a minimum of 4 pages to a maximum of 10 pages. (No exceptions). Paper is single-spaced, full justified, no indents on first paragraph in each section, use 8-1/2 x 11” (US letter paper). Times New Roman in font size 10 for text. All margins 1”. Maximum page length from title information to references is 10 pages and no page breaks.

In most cases do not use personal pronouns. Personal pronouns are not accepted in your abstract. Even in those disciplines where personal pronouns have become accepted use with care. Overuse is not acceptable. The first sentence in any section is NOT indented. Starting with the second paragraph in the same section indent 3 spaces, NOT five spaces. DO NOT TAB.

2. Editorial Standards and Introduction

Published papers will reflect genuine undergraduate student research. Inferences, general application of results and investigator's observations must be supported by data and references. Acceptance or rejection of the authors’ hypothesis must be fully supported and not biased opinion.

3. Main Headings

Main headings are in font size 12, bold, capitalize each word. Skip one line between heading and paragraph using no indent to the first paragraph. Suggestions for headings: Introduction, Methodology, Data, Conclusion, Acknowledgements, and References, Endnotes.

3.1. Secondary Headings

Secondary headings are in font size 12, capitalize each word, not bolded.

3.1.1. tertiary headings

Tertiary headings are in font size 12, italic, lower case, not bolded.

3.2. Tables, Equations, Figures, Graphs, Or Pictures

Insert your tables, equations, figures, graphs, or pictures into your document where indicated in the text. We do not accept appendices. Maximum page length from title information to references is 10 pages.
Equations should be referred in the text as equation (1), be indented six spaces, and numbered in parentheses. Equation numbers are right justified. There are two spaces between text and equations.

\[
\begin{align*}
\text{Anode: } & \quad H_2 \rightarrow 2H^+ + 2e^- & (1) \\
\text{Cathode: } & \quad O_2 + 4H^+ + 4e^- \rightarrow H_2O & (2)
\end{align*}
\]

Numbers and captions should appear above each table in lower case, e.g.

Table 1. Physical data and home range size for Sicklefin Redhorse tagged on August 26th, 2014 in the Oconaluftee River, NC

<table>
<thead>
<tr>
<th>Fish #</th>
<th>Total Length (mm)</th>
<th>Weight (kg)</th>
<th>Sex</th>
<th>Fall Range (m)</th>
<th>Winter Range (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>591</td>
<td>1.60</td>
<td>Female</td>
<td>&gt;5664</td>
<td>unknown</td>
</tr>
<tr>
<td>15</td>
<td>538</td>
<td>1.30</td>
<td>Unknown</td>
<td>384</td>
<td>0</td>
</tr>
<tr>
<td>18</td>
<td>600</td>
<td>1.65</td>
<td>Female</td>
<td>310</td>
<td>0</td>
</tr>
<tr>
<td>19</td>
<td>510</td>
<td>1.25</td>
<td>Female</td>
<td>105</td>
<td>0</td>
</tr>
<tr>
<td>20</td>
<td>605</td>
<td>2.00</td>
<td>Female</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Figures and their captions should be centered as illustrated in the example (Figure 1) below. Captions should also appear as illustrated below with all but the first word in the caption in lower case. Captions should be brief and descriptive. Comments on the figure should be left justified one line below caption. Paper text would then begin one line below comment. Landscape orientation is preferred. However, for some photographs landscape is not appropriate.

![Figure 1](image-url)

Figure 1. Movement patterns for tagged fish #19 and #15 from release site #1. River meters were calculated with the release
Include a few sentences explaining the figure

4. Acknowledgements

The author(s) wish to express their appreciation to ....

5. References

Footnotes are not acceptable. To cite a reference in your paper use a superscript number. We do not accept roman numerals, or parenthetical notations (Smith, Roberts 2004).

References are required. The preferred style for citing references is the Note (N) format found in the Chicago Manual of Style, 15th ed. Use endnotes as opposed to footnotes, following the examples below. You are encouraged to consult the Chicago Manual of Style for additional examples not provided here.

You may opt to use another style better suited to your discipline (American Chemical Society, American Institute of Physics, etc.) provided that references are numbered and appear and the end of the paper.

Use superscript numbers in the body of your paper to note references – like this. Do not use parenthetical notation like this: (Doniger 1999, 23).

Books (examples for)

2. Ibid., 25.

Journals (Print) (examples for)


Journals (Online) (examples for)

12. Mark Warr and Christopher G. Ellison, “Rethinking Social Reactions to Crime: Personal and Altruistic Fear in
Family Households,” American Journal of Sociology 106, no. 3 (2000), under “The Consequences of Fear,”

Magazines (examples for)

Newspapers/News Services (examples for)

Web Resources (examples for)

Videocassettes and DVDs (examples for)

Interviews (examples for)