

75th Northwest Anthropological Conference

Instructions for Submitting Papers for Publication in the 2022 Northwest Anthropological Conference Proceedings.

The 2022 NWAC Proceedings will be coordinated and published by the *Journal of Northwest Anthropology* on September 1, 2022. The 2021 NWAC Proceedings can be seen at <https://www.northwestanthropology.com/nwac-proceedings>.

Submission Date

Manuscripts will be submitted electronically, as **both a PDF and Word document**, to Victoria Boozer at Victoria.boozer@northwestanthropology.com. The deadline for submittal is **11:59 pm, Tuesday, 31 May 2022**.

Whose Papers Can Be Included?

Only papers that were presented at the 2022 NWAC can be included in the Proceedings. At least one author of a paper must have registered for the conference, and the paper must have been presented.

Is There a Word or Page Limit?

There is no word or page limit per se; although, we ask that papers not exceed 7,000 words (roughly 15 single-spaced pages). The proceedings are designed to include the paper that was presented at the conference. That is, do not send in a lengthy manuscript that was prepared for publication in a professional journal, and which was then used as the basis for the 15-minute NWAC Conference presentation. The paper presented in the NWAC Proceedings should mirror the oral presentation given. Conference proceedings are not the place to publish large datasets.

Should all My Slides Be Included?

No. Only include those images that are required to support the statements made in the paper. Minimize the number of illustrations to those that are necessary.

Can the Paper Be Revised After the Conference?

Yes, in fact, the purpose of the post-conference deadline is to provide the presenters time to revise their paper based upon comments made by colleagues during and after the presentation. Nevertheless, the submitted paper should not be materially different from the presented paper.

Are the Papers Peer Reviewed?

No.

Will the Papers be Edited Prior to Publication?

Papers will be copy edited, but no substantial technical editing will be done. If a submitted paper is poorly edited and not understandable, it will not be included in the Proceedings.

Can Poster Presentations be Included in the Proceedings?

Yes, though these can present publication challenges. Submittals will not be reformatted, but rather published as received. Therefore, it behooves the submitter to transform the poster presentation to something that can be readable on 8.5 by 11 inch pages.

Are Papers Submitted to the Student Paper Competition Included in the Proceedings?

They can be, but student papers submitted to the competition must be submitted to the proceedings just like any other paper. The winning student papers will be published in a future issue of the *Journal of Northwest Anthropology*.

Additional Questions?

Write jona@northwestanthropology.com or Victoria.boozier@northwestanthropology.com.

Style Guidelines

Manuscripts should be prepared following the ***JONA Style Guide***.

It should be noted that paper submissions for the NWAC Proceedings are required to insert figures and tables immediately following their respective callouts in the article. Figures should also be included as separate files, as the original figure files (.jpeg or .png) will be needed to achieve the highest quality of the images when the paper is published.

- **Cover Page:** A cover page will include all authors' names. In addition, all authors must provide an email address. The timely and accurate publication of your manuscript may depend on the editors having access to these addresses. If you are going to be out of the country, on sabbatical, in the field, etc., an alternative address must be provided. Failure to do so may result in the paper being rejected.
 - *Title:* The title of your article is flush left, in upper- and lower-case letters with all major words capitalized. Keep the title short but meaningful.

- *Name*: Your name(s), exactly as you want it to appear, is flush left. If your name has unusual capitalization or spacing (Mac, De, Van, etc.), be sure that these items are clearly indicated.
- *Abstract*: The word “Abstract” should follow your name, be flush left, and entirely in capital letters. The abstract text follows as a new, un-indented paragraph. The abstract will not exceed 150 words, although exceptions can be made if necessary. It should summarize the contents, significance, and conclusions of the paper and not be written to serve as an introduction to the paper.
 - The Cover Page should be formatted as follows (please view the last page of this document for an example of a previously submitted Cover Page):

Title of Paper (Times New Roman, bold, size 14)

Name(s) of Author(s) (Times New Roman, regular, size 12)

Affiliation(s)/Correspondence(s) (Times New Roman, regular, size 12)

Email Address(es) (Times New Roman, regular, size 12)

ABSTRACT (Times New Roman, bold, all capital letters, size 12)

Abstract Text (Times New Roman, regular, size 12)

- **Text** (introduction, main text, discussion, and/or conclusions): All submissions must be formatted with 1-inch margins on all sides of the 8.5 by 11-inch document. Poster submissions must follow these guidelines for printing purposes. The text should be submitted in Times New Roman font, size 12, not justified, and single-spaced. The paper should not include headers, footers, or page numbers.
 - *Main Text Headings*:
 1. *Primary headings*—Primary-level headings will be typed flush left with initial capital letters on all major words (excluding prepositions, articles, and short conjunctions).
 2. *Secondary headings*—Secondary-level heads should be typed like primary headings and italicized.
 3. *Tertiary headings*—Tertiary-level heads will be typed like primary headings and underlined (this is the only place in your paper where underlining should be used).
 4. *Quaternary headings*—Quaternary-level heads will be flush left in all capital letters.

- Authors should review the *JONA* Style Guide for proper formatting of headings and sub-level headings throughout their papers, along with formatting figure captions and table titles.
- **Acknowledgments** (optional): The heading “Acknowledgments” is flush left in all capital letters. The use of the Acknowledgments section is optional. Personal pronouns are appropriate in the Acknowledgments.
- **References:** The References Cited pages will be required to be formatted according to *JONA* guidelines. The References should be entered in Times New Roman font, size 12. Please visit the following link to access the *JONA* Style Guide: <https://www.northwestanthropology.com/submit-manuscript>.
- General Tips for Manuscripts:

***JONA* TIPS FOR MANUSCRIPTS:**

1. En dashes: En dashes are slightly longer than a hyphen and represent a range in numbers. For example, 10–15 pages, 2,000–3,000 years, 1770–1800 are all instances in which an en dash, rather than hyphen, is used. However, the hyphenation of words still requires the placement of the hyphen, for example: well-known, long-lasting, face-to-face. Please keep this in mind when writing and editing a manuscript, and please ensure the hyphenation of words is consistent throughout each article.
2. In-text references are listed chronologically, rather than alphabetically. If there are citations from the same year, then they are listed alphabetically. For example:
 - a: (Croes 2009; Angelbeck 2010; Moss 2011; Stapp 2013; Carney 2016)
 - b: (Angelbeck 2009, 2010; Croes 2009; Grier 2009; Moss 2011; Stapp 2013)
 * Please note that semicolons separate entries by different authors, while commas separate entries by the same author.
4. Pay close attention to words being spelled, capitalized, or hyphenated inconsistently. Consistency is key. Please check the Style Guide or consult with *JONA* staff to ensure proper standardization.
5. We do use the Oxford comma!
6. Please ensure that each in-text citation is listed on the References Cited and that each entry on the References Cited is called-out in the text. This is the costliest of time and funds for the copy-editing process.
7. Please use “curly quotation marks” (“”) rather than "straight quotation marks" (").
8. Please make sure each figure and/or table are called-out in the text.
9. Do use written ordinal century designations. Please write eighteenth, not 18th, or nineteenth, not 19th, for example.
10. Please make sure that all of the ORIGINAL figures are with the manuscript when submitted. Also, please ensure that all permissions for figures and personal communications are enclosed.
11. Please ensure the References Cited pages match the Style Guide. This is another costly and time-consuming part of the copy-editing process.

Mapping Railgrades and Dirt Roads from Drone Imagery Using Deep Learning

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ABSTRACT

Northwest Nazarene University's FireMAP research team is in the process of developing a deep learning approach to finding various archaeological features. This approach is being constructed through the use of a mask region-based convolutional neural network (Mask R-CNN) using Google's TensorFlow. Over the past two summers NNU has been gathering hyperspatial drone imagery containing these archaeological features. This aerial imagery is then fed into the Mask R-CNN in hopes of making a more dynamic approach. In the past the only way to map out these features was through a manual approach. This research project hopes to create a dynamic approach to finding and accurately mapping old roads and rail grades so that these maps can remain historically accurate.