



GSA Publications Department  
 PO Box 9140  
 Boulder, CO 80301-9140, USA  
 Fax: 303-357-1070; editing@geosociety.org

## The Geological Society of America, Inc., License to Publish

Journal name ("Journal"); GSA Bulletin Manuscript no.: \_\_\_\_\_

Proposed title of your paper (the "Contribution"): \_\_\_\_\_

Author(s) (the "Author(s)"): \_\_\_\_\_

At least one Author (the senior or corresponding author) must sign this License, although all Authors are encouraged to do so. If the Contribution was commissioned by an individual or organization other than the Author, or was written as part of the duties of an employee, then this permission must be signed by an authorized representative of the commissioning organization or employer. If the Contribution contains material that is owned or controlled by a third party, the Authors must obtain permission for its use, submit written evidence of that permission to The Geological Society of America, Inc. ("GSA"), and clearly acknowledge the source and copyright holder of that material in the Contribution.

The Author(s) grant The Geological Society of America, Inc. ("GSA"), during the entire term of copyright and its extensions, an irrevocable license to publish this Contribution and identify itself as the original publisher. Under this license, GSA also may republish, distribute, display, transmit, sell, and otherwise use the Contribution in whole or in part in electronic and print editions of the Journal and in derivative works worldwide in all languages and in all media of expression now or later developed, now and in perpetuity, and GSA may permit and/or sublicense others to do any or all of the foregoing as well.

Upon acceptance of the Contribution, GSA will publish this Contribution under the Creative Commons CC-BY 4.0 License (or most recent appropriate update). This license allows you and others to copy, redistribute, remix, transform, and build upon the Contribution, in any format or medium, for any purpose including commercial purpose, as long as the Contribution and authors are credited, a link to the license is provided, any changes made from the original are indicated, and no suggestion is made by others that the authors endorse the use. In all cases it is the Author's responsibility to ensure that all components of the Contribution (for example, data, figures, tables) are compatible with the requirements of the Creative Commons license chosen. The full legal code of the Creative Commons Attribution 4.0 International Public License may be found at <https://creativecommons.org/licenses/by/4.0/legalcode>.

I/we (the Author(s)) have the rights to execute this license, and have the consent and permission of each Author to execute this license, for the Contribution referenced above (and any associated supplemental materials, data, audio and/or video files submitted for publication with the manuscript). I/we affirm that this Contribution has not been published previously elsewhere, nor is it under active consideration for publication at this time by any other publisher, nor does it infringe upon any copyright, proprietary, or personal right of any third party. I/we understand that I/we retain copyright and all rights not expressly granted in this agreement.

*(Sign on page 2 if **all** authors are U.S. Government employees or officers of a Crown government.)*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Name (printed or typed)

\_\_\_\_\_  
City

\_\_\_\_\_  
Date

\_\_\_\_\_  
State/Prov ZIP/postal code

\_\_\_\_\_  
Institution Name

\_\_\_\_\_  
Country

---

**CERTIFICATION OF U.S. GOVERNMENT WORKS** (Sign this section **only if ALL** authors were U.S. Government employees at the time the work was prepared.)

---

I certify that the article referenced above was prepared solely by U.S. Government employees as part of their official duties and therefore the article is in the public domain. I confirm that this article has not been published previously elsewhere and that it is not under consideration by any other publisher.

Signature	Street Address	
Name (printed or typed)	City	
Date	State/Prov	ZIP/postal code
Institution Name	Country	

---

**CERTIFICATION OF CROWN GOVERNMENT** (Sign this section **only if ALL** authors were officers of a Crown government at the time the work was prepared.)

---

This is to certify that ALL authors are or were at the time this article was prepared, bona fide officers of a Crown government which reserves its own copyright under national law and the work was prepared on behalf of the following Crown government, \_\_\_\_\_, as part of their official duties.

The rights licensed to GSA herein are licensed on a non-exclusive basis and copyright in those contributions shall be reserved to the Crown. The following rights are hereby granted to the Geological Society of America:

1. The exclusive right to use, print, and/or publish this article, or any part thereof, in the publication to which it has been submitted, in any language and/or format, now and in all future derivative works, provided that the name and affiliation of the author(s) is clearly indicated. Formats may include paper, electronic formats, and any media of expression now or later developed.
2. The right to permit others to publish tables, figures, and brief extracts from the work, with or without fees.
3. The right to collect and retain royalty and licensing fees related to the re-publication of this material when the Geological Society of America licenses usage by others.

I certify that this paper has not been published previously, and is not now in consideration for publication by any other publisher.

Signature	Street Address	
Name (printed or typed)	City	
Date	State/Prov	ZIP/postal code
Institution Name	Country	

---

---

## Open Access and Article Publication Charges

Authors submitting papers to *Geology* or *GSA Bulletin* may choose to pay an article publication charge (APC) of US\$2,800 for Gold Open Access. GSA members will receive a US\$500 discount on this APC. *Geology* authors who choose to pay for Gold Open Access won't be assessed that journal's publication fee or any fees for color. Payment is required after acceptance of the article for publication and must be received prior to online publication. Since choosing Gold Open Access is voluntary for these journals, there is no waiver available for the open access fee. In order to make clear the separation between scientific editorial decision-making and economic considerations, the option to publish an article under Gold Open Access is made to corresponding authors after peer-review and acceptance of an article for publication. See [www.geosociety.org/publications/](http://www.geosociety.org/publications/) for more information on GSA publications, policies, and fees.