

## Accepted Manuscript

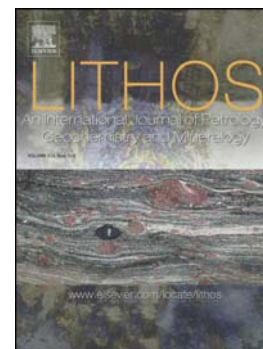
The pre-Atlantic Hf isotope evolution of the east Laurentian continental margin: Insights from zircon in basement rocks and glacial tillites from northern New Jersey and southeastern New York

N. Alex Zirakparvar, Jacob Setera, Edmond Mathez, Jill Vantongeren, Ryanna Fossum

PII: S0024-4937(16)30421-2  
DOI: doi: [10.1016/j.lithos.2016.11.023](https://doi.org/10.1016/j.lithos.2016.11.023)  
Reference: LITHOS 4157

To appear in: *LITHOS*

Received date: 8 June 2016  
Accepted date: 18 November 2016



Please cite this article as: Zirakparvar, N. Alex, Setera, Jacob, Mathez, Edmond, Vantongeren, Jill, Fossum, Ryanna, The pre-Atlantic Hf isotope evolution of the east Laurentian continental margin: Insights from zircon in basement rocks and glacial tillites from northern New Jersey and southeastern New York, *LITHOS* (2016), doi: [10.1016/j.lithos.2016.11.023](https://doi.org/10.1016/j.lithos.2016.11.023)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Title:** The pre-Atlantic Hf isotope evolution of the east Laurentian continental margin: Insights from zircon in basement rocks and glacial tillites from northern New Jersey and southeastern New York

**Authors:** N. Alex Zirakparvar<sup>1</sup>, Jacob Setera<sup>2</sup>, Edmond Mathez<sup>1</sup>, Jill Vantongeren<sup>2</sup>, Ryanna Fossum<sup>3</sup>

<sup>1</sup> Dept. Earth & Plan. Sci.  
American Museum of Natural History  
Central Park West at 79<sup>th</sup> St  
New York, NY 10024

<sup>2</sup> Dept. Earth & Plan. Sci.  
Rutgers, The State University of New Jersey  
Wright-Rieman Laboratories  
610 Taylor Road  
Piscataway, NJ 08854-8066

<sup>3</sup> Geology Dept.  
Oberlin College  
2 W. Lorain St.  
Carnegie Building, Rm. 403  
Oberlin, OH, 44074

**Corresponding Author:** N. Alex Zirakparvar; [nzirakparvar@amnh.org](mailto:nzirakparvar@amnh.org)  
(347) 686 4146

Download English Version:

<https://daneshyari.com/en/article/5784195>

Download Persian Version:

<https://daneshyari.com/article/5784195>

[Daneshyari.com](https://daneshyari.com)