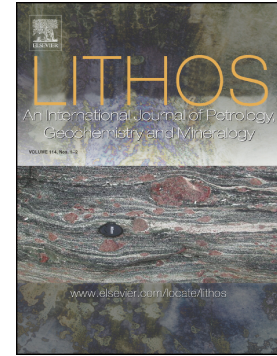


## Accepted Manuscript

Geochemistry and u-PB geochronology of 1590 and 1550 ma mafic dyke swarms of western LAURENTIA: Mantle plume magmatism shared with Australia

C. Rogers, S.L. Kamo, U. Söderlund, M.A. Hamilton, R.E. Ernst, B. Cousens, S.S. Harlan, C.E. Wade, D.J. Thorkelson



PII: S0024-4937(18)30201-9  
DOI: doi:[10.1016/j.lithos.2018.06.002](https://doi.org/10.1016/j.lithos.2018.06.002)  
Reference: LITHOS 4678  
To appear in: *LITHOS*  
Received date: 2 February 2018  
Accepted date: 2 June 2018

Please cite this article as: C. Rogers, S.L. Kamo, U. Söderlund, M.A. Hamilton, R.E. Ernst, B. Cousens, S.S. Harlan, C.E. Wade, D.J. Thorkelson, Geochemistry and u-PB geochronology of 1590 and 1550 ma mafic dyke swarms of western LAURENTIA: Mantle plume magmatism shared with Australia. *Lithos* (2018), doi:[10.1016/j.lithos.2018.06.002](https://doi.org/10.1016/j.lithos.2018.06.002)

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.

GEOCHEMISTRY AND U-PB GEOCHRONOLOGY OF 1590 AND 1550 MA MAFIC  
DYKE SWARMS OF WESTERN LAURENTIA: MANTLE PLUME MAGMATISM  
SHARED WITH AUSTRALIA

List of Authors

Rogers, C<sup>1</sup>. [chris.rogers@carleton.ca](mailto:chris.rogers@carleton.ca) (Corresponding Author)

Kamo, S.L.<sup>2</sup>. [skamo@es.utoronto.ca](mailto:skamo@es.utoronto.ca)

Söderlund, U<sup>3</sup>. [ulf.soderlund@geol.lu.se](mailto:ulf.soderlund@geol.lu.se)

Hamilton, M.A.<sup>2</sup> [mahamilton@es.utoronto.ca](mailto:mahamilton@es.utoronto.ca)

Ernst, R.E.<sup>1,4</sup> [Richard.Ernst@ErnstGeosciences.com](mailto:Richard.Ernst@ErnstGeosciences.com)

Cousens, B<sup>1</sup>. [brian.cousens@carleton.ca](mailto:brian.cousens@carleton.ca)

Harlan, S.S.<sup>5</sup> [sharlan@nsf.gov](mailto:sharlan@nsf.gov)

Wade, C.E.<sup>6,7</sup> [Claire.Wade@sa.gov.au](mailto:Claire.Wade@sa.gov.au)

Thorkelson, D.J.<sup>8</sup> [dthorkel@sfu.ca](mailto:dthorkel@sfu.ca)

<sup>1</sup>Ottawa-Carleton Geoscience Centre, Department of Earth Sciences, Carleton  
University, 1125 Colonel By Drive, Ottawa, ON, Canada, K1S 5B6

<sup>2</sup>Department of Earth Sciences, University of Toronto, Toronto, ON, Canada, M5S 3B1

<sup>3</sup>Department of Geology, Lund University, Sölvegatan 12, SE-223 62 Lund, Sweden

<sup>4</sup>Faculty of Geology and Geography, Tomsk State University, Tomsk 634050, Russia

<sup>5</sup>Division of Earth Sciences, National Science Foundation, Alexandria, VA 22314

<sup>6</sup> Geological Survey of South Australia. GPO Box 320, Adelaide, S.A. 5000, Australia.

Download English Version:

<https://daneshyari.com/en/article/8911549>

Download Persian Version:

<https://daneshyari.com/article/8911549>

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