



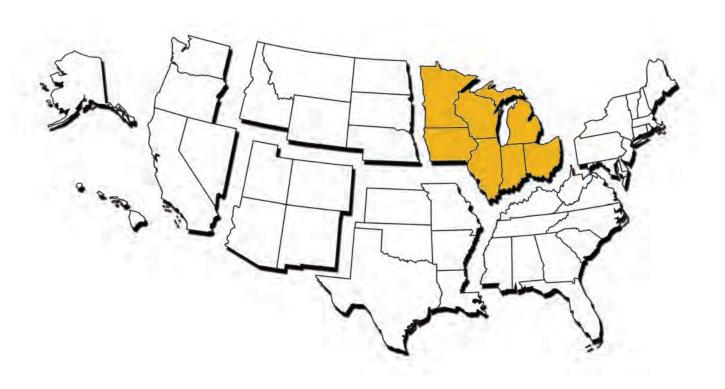
1259 Trumansburg Road Ithaca, New York 14850 U.S.A. www.priweb.org



US \$30.00

## The Teacher-Friendly Guidem

## to the Earth Science of the Midwestern US



Edited by Mark D. Lucas, Robert M. Ross, & Andrielle N. Swaby

ISBN 978-0-87710-507-7 Library of Congress no. 2014953666 PRI Special Publication no. 46

© 2014 Paleontological Research Institution 1259 Trumansburg Road Ithaca, New York 14850 USA priweb.org

First printing October 2014

This material is based upon work supported by the National Science Foundation under grant DRL-0733303.



Any opinions, findings, and conclusions or recommendations are those of the author(s) and do not necessarily reflect the views of the National Science Foundation. The publication also draws from work funded by the Arthur Vining Davis Foundations and The Atlantic Philanthropies.

The interactive online version of this *Teacher-Friendly Guide*  $^{TM}$  (including downloadable pdfs) can be found at <a href="http://teacherfriendlyguide.org">http://teacherfriendlyguide.org</a>. Web version by Brian Gollands.

Any part of this work may be copied for personal or classroom use (not for resale). Content of this *Teacher-Friendly Guide*  $^{TM}$  and its interactive online version are available for classroom use without prior permission.

The Teacher-Friendly Guide™ series was originally conceived by Robert M. Ross and Warren D. Allmon. Original illustrations in this volume are mostly by Jim Houghton (The Graphic Touch, Ithaca), Wade Greenberg-Brand, and Christi A. Sobel.

Layout and design by Paula M. Mikkelsen, Elizabeth Stricker, Wade Greenberg-Brand, and Katherine Peck.

The Teacher-Friendly Guide™ is a trademark of the Paleontological Research Institution.

## Cite this book as:

Lucas, M. D., R. M. Ross, & A. N. Swaby (eds.), 2014, *The Teacher-Friendly Guide to the Earth Science of the Midwestern US*. Paleontological Research Institution, Ithaca, New York, 316 pp.

## Cite one chapter as (example):

Wall, A. F., and W. D. Allmon, 2014, Fossils of the Midwestern US. Pages 57–83, in: M. D. Lucas, R. M. Ross, & A. N. Swaby (eds.). *The Teacher-Friendly Guide to the Earth Science of the Midwestern US.* Paleontological Research Institution, Ithaca, New York.

**On the back cover:** Blended geologic and digital elevation map of the Midwest. Each color represents the age of the bedrock at the surface. Adapted from Barton, K.E., Howell, D.G., Vigil, J.F., *The North America Tapestry of Time and Terrain*, US Geological Survey Geologic Investigations Series I-2781, <a href="http://pubs.usgs.gov/imap/i2781">http://pubs.usgs.gov/imap/i2781</a>.