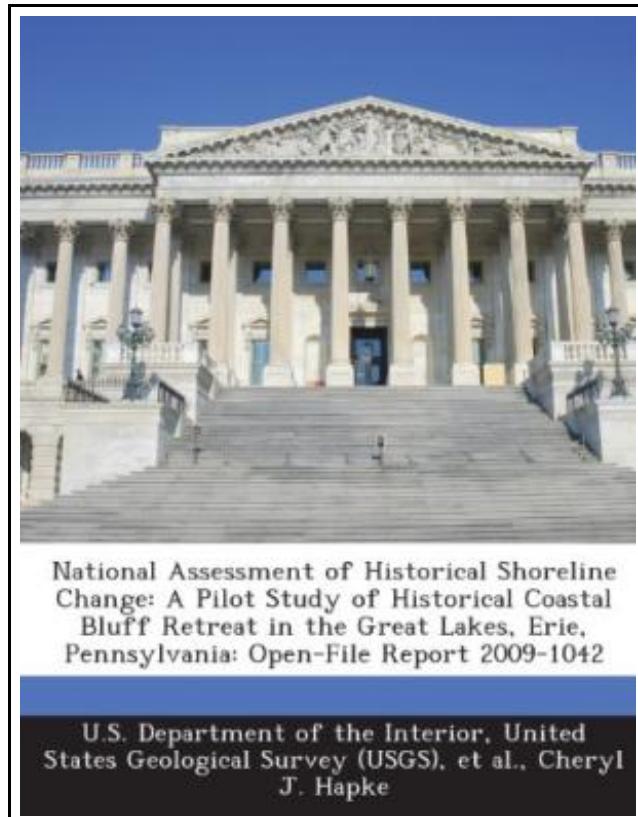


# **National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042 (Paperback)**



**National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042**

**U.S. Department of the Interior, United States Geological Survey (USGS), et al., Cheryl J. Hapke**

Filesize: 4.18 MB

## **Reviews**

*This book is really gripping and intriguing. it was written very perfectly and beneficial. I am easily will get a enjoyment of looking at a created ebook.*  
**(Jaeden Stiedemann Sr.)**

## **NATIONAL ASSESSMENT OF HISTORICAL SHORELINE CHANGE: A PILOT STUDY OF HISTORICAL COASTAL BLUFF RETREAT IN THE GREAT LAKES, ERIE, PENNSYLVANIA: OPEN-FILE REPORT 2009-1042 (PAPERBACK)**

[DOWNLOAD PDF](#)

To read **National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042 (Paperback)** eBook, you should click the web link below and save the document or have accessibility to additional information which might be relevant to **NATIONAL ASSESSMENT OF HISTORICAL SHORELINE CHANGE: A PILOT STUDY OF HISTORICAL COASTAL BLUFF RETREAT IN THE GREAT LAKES, ERIE, PENNSYLVANIA: OPEN-FILE REPORT 2009-1042 (PAPERBACK)** ebook.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Coastal bluff retreat is a chronic problem along many high-relief coastlines in the United States. As coastal populations continue to grow and community infrastructures are threatened by erosion, there is increased demand for accurate information regarding trends and rates of bluff retreat. There is also a need for a comprehensive analysis that is consistent from one coastal region to another. To address these national needs, the U.S. Geological Survey (USGS), as part of the National Assessment of Coastal Change Hazards Project, conducted a pilot study of bluff retreat along the Lake Erie, Pa., coastline to assess the feasibility of undertaking a larger, multi-state analysis in the Great Lakes region. This report provides an overview of the pilot-study location and bluff geomorphology, the data sources and methodology, results of the analysis, and a discussion of the feasibility of undertaking a similar analysis along eroding bluffs in other Great Lakes states. This pilot study is part of an ongoing effort by the USGS to provide a comprehensive analysis of historical shoreline change and cliff and bluff retreat along open-ocean coastlines of the conterminous United States and parts of Hawaii, Alaska, and the Great Lakes. One purpose of the work is to develop standard, repeatable methods for mapping and analyzing coastal change so that systematic and consistent periodic updates of coastal erosion can be made nationally. Bluff-retreat evaluations are conducted by comparing the location of a historical bluff edge digitized from aerial photographs with those of recent bluff edges interpreted from both aerial photographs and lidar topographic surveys. The historical bluff edge is from 1938, whereas the more recent bluff edges are from 1998 and 2006 lidar data. Long-term (68-year) rates...

- ✎ [Read National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042 \(Paperback\) Online](#)
- ⬇ [Download PDF National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042 \(Paperback\)](#)
- ⬇ [Download ePUB National Assessment of Historical Shoreline Change: A Pilot Study of Historical Coastal Bluff Retreat in the Great Lakes, Erie, Pennsylvania: Open-File Report 2009-1042 \(Paperback\)](#)

## You May Also Like

---



**[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)**  
Access the hyperlink below to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)" file.

[Save eBook »](#)

---



**[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)**  
Access the hyperlink below to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)" file.

[Save eBook »](#)

---



**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)**

Access the hyperlink below to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)" file.

[Save eBook »](#)

---



**[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)**

Access the hyperlink below to download and read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)" file.

[Save eBook »](#)

---



**[PDF] A Year Book for Primary Grades; Based on Froebel s Mother Plays (Paperback)**

Access the hyperlink below to download and read "A Year Book for Primary Grades; Based on Froebel s Mother Plays (Paperback)" file.

[Save eBook »](#)

---



**[PDF] A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home (Paperback)**

Access the hyperlink below to download and read "A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home (Paperback)" file.

[Save eBook »](#)



**[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)**

Follow the link below to download "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)**

Follow the link below to download "The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Follow the link below to download "California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" PDF file.

[Download ePub »](#)



**[PDF] Children s and Young Adult Literature Database -- Access Card**

Follow the link below to download "Children s and Young Adult Literature Database -- Access Card" PDF file.

[Download ePub »](#)



**[PDF] The Mystery of God s Evidence They Don t Want You to Know of (Paperback)**

Follow the link below to download "The Mystery of God s Evidence They Don t Want You to Know of (Paperback)" PDF file.

[Download ePub »](#)



**[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)**

Follow the link below to download "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)" PDF file.

[Download ePub »](#)