

Geology And Palaeontology Of Eighteen Mile Creek And The Lake Shore Sections Of Erie County New York

[#Erie County geology](#) [#Eighteen Mile Creek fossils](#) [#New York palaeontology](#) [#Lake Erie shoreline geology](#)
[#geological formations New York](#)

Explore the fascinating geology and rich palaeontology of Eighteen Mile Creek and the Lake Shore sections within Erie County, New York. This comprehensive study delves into the geological formations, fossil discoveries, and stratigraphy that define this historically significant region, offering insights into its ancient past.

Course materials cover topics from beginner to advanced levels.

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Geology And Palaeontology Of Eighteen Mile Creek And The Lake Shore Sections Of Erie County New York

Unbelievable Lake Erie Facts - #1 Will Shock You! - Unbelievable Lake Erie Facts - #1 Will Shock You! by American Military Network "AMN" 254,897 views 1 year ago 2 minutes, 31 seconds - Dive into the fascinating world of **Lake Erie**, with us as we uncover some truly unbelievable facts about this incredible body of ...

This Is What Scientists Found at the Bottom of the Niagara Falls That Left Them so Disturbed - This Is What Scientists Found at the Bottom of the Niagara Falls That Left Them so Disturbed by Facts Verse 2,973,028 views 4 years ago 5 minutes, 42 seconds - Around 18000 years ago, the falls didn't exist. They were formed then ice sheet from the North Pole left behind vast **areas**, of ...

Long Island's Geology - Long Island's Geology by Long Island Natural History Conference 26,807 views 6 years ago 41 minutes - What Every Naturalist Should Know About the **Geologic**, History and Glacial Geomorphology of Long Island Dr. J Bret Bennington, ...

Long Island Landscapes

Glaciers

Ice Formation

glaciers deposit

stratified drift

glacial erratics

lobate features

tunnel valleys

dry valleys

permafrost

depressions

moraine topography

kettle ponds

kettle lakes

kettle depressions

outwash plain

moraine

thank you

Geology of the Mid-Hudson Valley - Geology of the Mid-Hudson Valley by NYSDEC 5,497 views 2 years ago 4 minutes, 41 seconds - The **geology**, of **New York's**, Hudson Valley shaped the way people used the land for generations. DEC educator Audrey Trossen ...

Intro

What is Geology

The Hudson Valley

The Cement Industry

Ithaca is Gorges: Six Mile Creek - Ithaca is Gorges: Six Mile Creek by Paleontological Research Institution 1,546 views 3 years ago 11 minutes, 14 seconds - Ithaca is Gorges – but have you ever wondered why? The answers may surprise you. Ithaca's **geologic**, past includes oceans, ...

PALEONTOLOGICAL RESEARCH INSTITUTION

thaca is GORGES

SIX MILE CREEK

DEVONIAN

TRIASSIC

KIMBERLITE

CRETACEOUS

GLACIAL ERRATICS

QUATERNARY

Brachiopoda - Invertebrate Paleontology | GEO GIRL - Brachiopoda - Invertebrate Paleontology

| GEO GIRL by GEO GIRL 16,374 views 3 years ago 22 minutes - The invertebrate phylum of Brachiopods: Lophophorate group, lifestyle (epifaunal, marine), reproduction, distinction with mollusks ...

What are brachiopods?

Brachiopods vs. mollusks (shell symmetry!)

Brachiopod anatomy

Brachiopod Morphology

Brachiopod classification

Lingula (fingernails)

Orthida (fat D's)

Strophomenids (flat D's)

Pentamerids (smooth, elongated, & curvy)

Spiriferids (paper airplanes)

Rhynchonellids (hickory nuts)

Terebratulids (brazil nuts)

Brachiopod evolution

CAUGHT in Lake Erie Storm - Huge Waves - CAUGHT in Lake Erie Storm - Huge Waves by WLD 51,686 views 1 year ago 59 seconds - The weather report was calling for 2 Foot or Less. Goes to show how fast a storm can amp up the waves on **Lake Erie**,! Changed to ...

Caught in storm Lake Erie - Caught in storm Lake Erie by Keith Franz 1,139,651 views 9 years ago 17 minutes - fishing walleye gets a bit hairy when **lake erie**, storm swoops in.

What's Hidden Behind Niagara Falls? - What's Hidden Behind Niagara Falls? by Ridddle 2,241,439 views 3 years ago 10 minutes, 3 seconds - elddir #elddir_earth.

Niagara falls

Niagara River

Canadian province of Ontario

State of New York, USA

Great Lakes

Arc de Triomphe

Leaning Tower of Pisa

Devil's Hole

La Salle

th century

Seneca Indian tribe

Lake Erie

000 4

Lake Erie Monster - Is It REAL?! - Lake Erie Monster - Is It REAL?! by Brave Wilderness 1,236,191 views 8 months ago 12 minutes, 43 seconds - Lake Erie, is home to all sorts of animal life, including snakes, frogs, and snapping turtles. But is it possible that this Great **Lake**, is ...

The Triple Junction of Southwest Utah - The Triple Junction of Southwest Utah by BackRoadsWest1 395,375 views 3 years ago 38 minutes - In Southwest Utah near St. George, there is a unique "triple junction" of 3 of physiographic and **geologic**, provinces. Those 3 ...

Read the landscape

Rainbow Bridge

John Wesley Powell

Mojave National Preserve

Walker Lake, Nevada

The Meteorite That Buried Michigan | The Sudbury Impact - The Meteorite That Buried Michigan | The Sudbury Impact by Alexis Dahl 648,072 views 2 years ago 18 minutes - 1.8 billion years ago, a space rock the size of a small city collided with what's now Sudbury, Ontario. The impact created one of the ...

The Crater

Bob Dietz

Ejecta

Ground Surge

Banded Iron Formation

Banded Iron Formations

Mysterious Stone Sites in the Hudson Valley - Mysterious Stone Sites in the Hudson Valley by Time and the Valleys Museum 9,395 views 3 years ago 49 minutes - There are mysteries in the woods of the Hudson Valley of **New York**, and northern New Jersey. Zimmermann explores stone ...

Constellations

Miami Circle 2000 BC?

Fajada Butte, Chaco Canyon, NM 900-1150 AD

America's Stonehenge Salem, New Hampshire

Equinox Illumination

3,000-Year-Old Walls?

Statistics of Fences in the United States 1871

Perched Boulders

High Point, NJ

Zimmermann's Law of Archaeoastronomy The quality of the weather is inversely proportional to the importance of the viewing event

Lake Tiorati

Ninham Mountain

North America's Forgotten Great Lakes - North America's Forgotten Great Lakes by Signore Galilei 1,711,340 views 1 year ago 8 minutes, 16 seconds - North America has a lot of **lakes**, that are pretty great, including the Great Salt **lake**., the Great Slave **Lake**., and the Great Bear **Lake**.,

Intro

Lake St. Clair

Lake Nipigon

Lake Winnebago

Lake Simcoe

Lake Nipissing

Lake Champlain

Lake Michigan-Huron

Lake Algonquin

Conclusion

This Man Dug a Hole in His Backyard He Was Not Ready For What He Discovered There - This Man Dug a Hole in His Backyard He Was Not Ready For What He Discovered There by Wonderbot 2,915,333 views 3 years ago 22 minutes - For copyright issues relating to our channel please contact us directly at: wonderbotsupp@gmail.com ...

17 Interesting Facts About Lake Erie - 17 Interesting Facts About Lake Erie by Inspirich 39,501 views 10 months ago 3 minutes, 29 seconds - Lake Erie, is one of the five Great **Lakes**, of North America,

located on the eastern edge of the United States and Canada. It is the ...

Mary Anning, William Smith, and The Map That Changed the World - University Express - Mary Anning, William Smith, and The Map That Changed the World - University Express by Erie County NY 234 views 1 year ago 1 hour, 1 minute - A class about global **geology**, and how we've come to understand it during the past two centuries based on stratigraphy and plate ...

Our field trip to The Jurassic Coast, Southern England...

By 1812, Mary uncovered the rest of the skeleton. It was not a crocodile.

The skull belonged to an ichthyosaur -- the cutting-tooth lizard

In 1821, Mary discovered remains from another giant reptile: a Plesiosaur

Flummoxed, the scientific community could no longer the significance of the dual discoveries

Mary inspired a new wave of scientists, including Gideon Mantell

Mary's fossils were used to reconstruct

Dinosaurs caught the public's imagination

Dinosaurs received their first mention ever in popular literature

Mary's strange discoveries made scientists wonder... Was Earth different in the past?

Popular explanations in the early 1800s

An argument against extinction

Mary's evidence for extinction

Mary Anning's ichthyosaur fit neatly into Charles Darwin's evolutionary research

Using fossils, Smith correlated the strata across England

Devonian fossils

Causes of mass extinctions

Marie Tharp 1957

TECTONIC PLATES

Glaciation and the Great Lakes, an epoch in the making; Andy Breckinridge, PhD, UW-Superior -

Glaciation and the Great Lakes, an epoch in the making; Andy Breckinridge, PhD, UW-Superior

by Geological Society of Minnesota 9,462 views 2 years ago 1 hour, 28 minutes - Timeline: Announcements open the video, Lecture begins at 0:09:14, Q&A starts at 0:47:25 Click More for Lecture details.

Eighteen Mile Creek, South Branch, 01/17/11 - Eighteen Mile Creek, South Branch, 01/17/11 by lilredwazz 847 views 13 years ago 16 seconds - Eighteen Mile Creek, south branch as seen from **Eighteen Mile Creek**, undeveloped **Erie County**, park in Hamburg, **NY**,. Hiking and ...

A New Look at Evidence of Glacial Retreat in the Upper Mohawk Valley Using LiDAR images 2 20 21 - A New Look at Evidence of Glacial Retreat in the Upper Mohawk Valley Using LiDAR images 2 20 21 by Oneida County History Center 435 views 3 years ago 55 minutes - Over his career as an educator and **geologist**, Bob Allers has investigated the glacial **geology**, preserved in **New York**, from the last ...

What Do I Need

What Parts of New York State Have Been Covered by Lidar Central Oneida County

Sand Dunes at the Rome Sand Plains

Digital Elevation Model Tiles

Continental Glaciers

Glacial till

Glacial Lakes

Dead Ice Sinks

Adirondack Highlands

Mendenhall Glacier

Kaku Glacier in 2010

Norris Glacier

Wood Creek Meander

The Old Erie Canal

Ice Cave

The Appalachian Plateau

Drifting for Steelhead, Eighteen Mile Creek, Newfane, NY. Part 1 of 4 - Drifting for Steelhead, Eighteen Mile Creek, Newfane, NY. Part 1 of 4 by ItaloLabignan 19,521 views 12 years ago 4 minutes, 37 seconds - Italo takes you steelhead fishing on the US Thanksgiving and shows you how to catch trophy steelhead fishing from **shore**, and ...

Geology of the Black River Watershed - Geology of the Black River Watershed by NYS Tug Hill Commission 233 views 3 years ago 1 hour, 7 minutes - Dr. Chris Ebey of Jefferson Community

College continues the paleo-safari! The **geologic**, history of the western half of the Black ...

Housekeeping Items

Background

Three Types of Rocks

Bald Mountain

The Geologic Time Scale

Proterozoic

The Paleozoic

Earth's Biogeochemical Cycles

Bedrock Map

Lake Ontario

Tug Plateau

Oswego Sandstone

Limestones of the Black River Valley

Paleo Equator

Taconic Highland

Coral Reefs

Late Ordovician

Stony Corals

Nautiloids

Species of Nautiloids

Gastropod

Brachiopods

Trilobites

Taconic Highlands

Taconic Orogeny

Shale

A Glacier

Rise of the Taconic Islands

The Highlands

Queenston Clastic Wedge

What Did the Sand Originally Erode from

Basement Crystalline Rock

Conglomerate

Layers of the Earth

Adirondacks

Arthrosite

An Exploration of Geology throughout New York - A LIAPG Event - An Exploration of Geology throughout New York - A LIAPG Event by PW Grosser 1,536 views 3 years ago 37 minutes - Whether you are a beginner explorer or a seasoned adventurer extraordinaire, **New York**, has a lot to offer. Come learn with us ...

Catskill Escarpment

Panther Mountain

Taughannock Falls

Breweries and Vineyards of the Finger

Bear Hill Preserve, Cragmoor, NY

The Walking Dunes

Great Lakes and Sand Dune Formation Part 1 - Great Lakes and Sand Dune Formation Part 1 by Chad Wahlberg 4,277 views 3 years ago 4 minutes, 56 seconds

The Geology of the Great Basin - The Geology of the Great Basin by Great Basin National Park Foundation 4,346 views 1 year ago 59 minutes - A detailed overview of the **geology**, of the dawn of life to the Snake Range of the Basin and Range, with a focus on Great Basin ...

Great Basin National Park Foundation

James Woolsey

Elizabeth Miller

The Stanford Geological Survey

Headwaters of the Hampton Creek Trail

Northern Snake Range

Geologic Time Scale

Rifting
The Rodinia Super Continent
Osceola Argelite
Prospect Mountain Quartzite
Mount Washington
Ely Limestone
The Great Valley
Granitic Rocks
Cretaceous Magma Bodies
Thrust Faults
Late Cretaceous
Volcanic Rocks
Cretaceous Pole Canyon Granite
Jurassic Granite
Myocene
Sacramento Pass
Westward Motion of North America
Messy Faulting
How Is the Whole Older Sedimentary Rock Lower in Elevation than the Older Quartz Sites
Does Geology Ever Look to the Future
Glaciers in the Great Basin
Geologic History of the Upper Mississippi River Valley and Bottom Land Restoration Scenarios -
Geologic History of the Upper Mississippi River Valley and Bottom Land Restoration Scenarios by
Tallgrass Prairie Center 8,290 views 12 years ago 56 minutes - Geologic, History of the Upper
Mississippi **River**, Valley and Bottom Land Restoration Scenarios -- Presented by, E. Arthur "Art" ...
Introduction
Outline
River Continuum
River Ecosystem Synthesis
Geomorphic Patches
Example
Functional Process Zones
Upper Mississippi River Valley
Time Machine
Glacial Holocene
Mapping
Lake Odessa Illinois
Soil Data
Valley Scale
Reach Scale
Elevation
Levee Districts
Inundation
conclusions
community structure and functional
the real challenge
IP-Sc Geology USS Lesson 21 Scope of Paleontology - IP-Sc Geology USS Lesson 21 Scope of
Paleontology by MINESEC DISTANCE LEARNING 375 views 2 years ago 31 minutes - Geology,
USS Lesson 21 Scope of **Paleontology**,.
The Scenic Geology of Alberta: Informing the public - The Scenic Geology of Alberta: Informing the
public by University of Alberta Geotechnical Centre 11,113 views 2 years ago 56 minutes - Dale
Leckie, PhD, PGeol, **Geologist**, and Author, presents his talk "The Scenic **Geology**, of Alberta:
Informing the public". Abstract: ...
Waterton Lakes National Park
Algae ruled the world
Elk Island National Park
Cold Lake
Keillor Point - "the end of the world"
Peace River

Rocky Mountains are wearing wear

The Scenic Geology of Alberta is a story of ...

18. Major Events in the Geological Theatre - 18. Major Events in the Geological Theatre by Yale Courses 22,943 views 14 years ago 47 minutes - Principles of Evolution, Ecology and Behavior (EEB 122)

Geology, and climate have shaped the development of life tremendously.

Chapter 1. Introduction

Chapter 2. The Oxygenation of the Atmosphere

Chapter 3. Evidence of Climate Change

Chapter 4. Geological Impact on Life

Chapter 5. Mass Extinctions

Chapter 6. Earthquakes, Eruptions, and Floods

Chapter 7. Conclusion

Lecture: Geology In and Around the Kickapoo River Valley - Lecture: Geology In and Around the

Kickapoo River Valley by Kickapoo Valley Reserve 2,856 views 3 years ago 1 hour, 1 minute -

Recorded at the Kickapoo Valley Reserve Visitor Center on Wednesday, February 26th, 2020 listen as presenter: Eric Carson, ...

Introduction

The Driftless Area

Landforms

Elevation Map

Landscape Map

Map Units

Lake sediment

Hogback ridge

Sand deposits

Wisconsin of Mississippi Rivers

Slope

Buried bedrock

Other supporting data

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