

Max Everett Huffman

Department of Earth Sciences
University of Delaware
255 Academy St.,
Newark, DE 19716

Email: mhuffman@udel.edu
Phone: 412.716.1982
Website: sites.udel.edu/mhuffman/

Education:

2019 – Present

Doctor of Philosophy (*in progress*)

Department of Earth Sciences, University of Delaware
Advisor: Dr. James E. Pizzuto

2015 – 2019

Bachelor of Science

Geology (major) and Environmental Science (minor), Hope College
Summa Cum Laude

Appointments:

Sept 2021 – Present

DENIN Environmental Fellow

Delaware Environmental Institute, Newark, DE

June 2019 – Sept 2021

Graduate Researcher and Teaching Assistant

Advised by Dr. James E. Pizzuto, Dept. of Earth Sciences, University of Delaware, Newark, DE

July 2018 – Aug 2018

Undergraduate Research Assistant

Advised by Dr. Marisa Palucis, Dept. of Earth Sciences, Dartmouth College, Hanover, NH

May 2017 – May 2018

Undergraduate Research Assistant

Sept 2018 – May 2019

Advised by Dr. Edward Hansen, Dept. of Geology and Environmental Science, Hope College, Holland, MI

Awards and Honors:

2021

Delaware Environmental Institute Fellowship

2021

Outstanding Teaching Assistant Award (University of Delaware)

2019

Phi Beta Kappa

2019

EnerGIS Research Scholarship

2019

Tulip City Mineral Club Young Geologist Award

2018

Mortar Board (Dianna Portfleet Alcor Chapter)

2018

Reinking Memorial Scholarship Award (Hope College)

2017

Omicron Delta Kappa National Leadership Society

2017

Michael Visscher Memorial Book Award 2017 (Hope College)

2017

Geological Society of America Undergraduate Research Grant

2017

Midwest Mineralogical and Lapidary Society Scholarship

2016

Freshman Geology Award (Hope College)

2015

Alumni Honors Scholarship (Hope College)

Publications in Review or in Preparation:

Huffman ME, Pizzuto JE, Trampush SM, Moody JA, Schook DM, Gray HJ, Mahan SA, Floodplain Sediment Storage Timescales of the Meandering Powder River, U.S.A. (*in revision, JGR-Earth Surface*).

Conference / Professional Presentations: * presenting author

Cho SJ*, Karwan D, Skalak K, Pizzuto JE, Huffman ME (2021), Sediment Sources Linked to Hydrologic Pathways and Relative Transit System: unraveling structural vs. functional connectivity, presented at 2021 Fall Meeting, AGU, New Orleans, LA, 13-17 Dec.

Pizzuto JE, Huffman ME* (2021), Erosion and Deposition Functions Calibrated to Chronostratigraphic Data Predict Transient Holocene-Present Sediment Age and Storage Time Distribution in Mid-Atlantic Corridors, presented at the 2021 Fall Meeting, GSA, Portland, OR, 10-13 Oct.

Huffman ME*, Pizzuto JE, Symes E, DeSonier E (2021), Stratigraphy and Depositional Environments of the White Clay Creek, Southeastern Pennsylvania, presented at the 2021 Northeastern Section GSA Annual Meeting, Online, 14-15 Mar.

Kelly A*, Pizzuto JE, Huffman ME, Li C (2021), Pools and Riffles in the Bedrock-Alluvial South River Virginia are Systematically Different from Pools and Riffles of Alluvial Rivers, presented at the 2021 Northeastern Section GSA Annual Meeting, Online, 14-15 Mar.

DeSonier E*, Pizzuto JE, Huffman ME (2021), Stratigraphy of Valley Fill Deposits Upstream of a Small Colonial-Age Mill Dam, White Clay Creek, Pennsylvania, poster at the 2021 Northeastern Section GSA Annual Meeting, Online, 14-15 Mar.

Trampush SM*, Huffman ME, Pizzuto JE (2020), Floodplain Development in the Powder River, Southeastern Montana, USA, presented at the 2020 Fall Meeting, AGU, Online, 1-17 Dec.

Huffman ME*, Pizzuto JE, Trampush SM, Moody JA, Schook DM, Gray HJ (2020), Long-tailed Sediment Storage Time Distribution from the Meandering Powder River, Montana, presented at the 2020 Fall Meeting, GSA, Online, 26-30 Oct.

Huffman ME*, Trampush SM, Moody JA, Pizzuto JE, Schook DM, Gray HJ (2019), Long-tailed Sediment Storage Time Distribution from the Meandering Powder River, Montana, poster at the 2019 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

Huffman ME*, Hansen EC (2019), Using Drone Acquired Remote Sensing to Map Sensitivity to Sand Mobility in Coastal Dunes, presented at the 2019 EnerGIS Conference, Canonsburg, PA, 25 Apr.

Huffman ME*, Hansen EC, Stid J (2018), Using Drone Acquired Remote Sensing to Map Sensitivity to Sand Mobility in Coastal Dunes, poster at the 2018 Coastal Dune Dynamics During Rising Sea/Lake Levels Workshop, Indian University Northwest, 26 Apr.

Huffman ME*, Hansen EC, Stid J (2018), Using Drone Acquired Remote Sensing to Map Sensitivity to Sand Mobility in Coastal Dunes, presented at the 2018 Michigan Academy of Science, Arts, and Letters, Central Michigan University, 9 Mar.

Hansen EC, Brophy EE*, Möller C, Huffman ME (2017), Partial Melting of Amphibolites in the Eastern Segment of the Sveconorwegian Orogen, Southern Sweden, presented at the 2017 Fall Meeting, AGU, New Orleans, LA, 12-16 Dec.

Huffman ME*, Frink K, Brophy EE (2017), Abundance and Distribution of Plastic within Lake Macatawa Sediments, presented at the 2017 Macatawa Watershed Annual Meeting, Macatawa Area Coordinating Council, Holland, MI, 8 Dec.

Huffman ME*, Brophy EE, Hansen EC, Möller C (2017), Partial Melting of Amphibolites in the Eastern Segment of the Sveconorwegian Orogen, Southern Sweden, presented at the 2017 West Michigan Regional Undergraduate Science Research Conference, Grand Rapid, MI, 4 Nov.

Pearson P, Haddrill K, Gorgenson I, Brophy EE, Huffman ME*, DeVries-Zimmerman SJ, Fast KM, Caltrider K, Hansen EC (2017), Using Remotely Acquired Images to Map Vegetation Densities in Open Dune Environments: A case study from coastal dunes along the southeastern shore of Lake Michigan, poster at the 2017 Fall Meeting, GSA, Seattle, WA, 22-25 Oct.

Conference Session and Field Trip Convener

Pizzuto JE, Huffman ME, O'Neal M, Inamdar S, Ramsey K, (2022) Quaternary Evolution and Contemporary Fluvial Processes, White Clay Creek, Delaware-Pennsylvania, Field trip at the 2022 Northeastern Section GSA Annual Meeting, Lancaster, PA, 19 Mar. (upcoming)

Teaching Experience:

University of Delaware

GEOL 107: Geology of Dynamic Earth (Fall 2019,2020, TA)

GEOL 113: Earth Science for Education (Spring 2020, TA)

GEOL 203: Earth Surface Processes (Spring 2021, TA)

Hope College

GES 130: Intro to Environmental Science (Spring 2019, TA)

GES 100: The Planet Earth (Fall 2017, Spring 2018 TA)

GES 125: Michigan Field Geology (Fall 2017, 2018, TA)

Recent Outreach:

Pitch:90 Science Communication Competition 2021, Co-Organizer
U. of Delaware EmPOWER Program Mentor

Professional Societies:

American Geophysical Union

Geological Society of America

International Association of Sedimentologists