

Erik B. Larson

Curriculum Vitae

May 4, 2025

Pronouns: He/Him/His

Personal Contact Information

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Professional Contact Information

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Portsmouth, OH 45662
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EDUCATION:

Ph.D. Earth and Atmospheric Sciences

August 2010 – May 2014

Dissertation: *Bahamian Quaternary geology and the global carbon budget*

Advisor: John E. Mylroie

Mississippi State University

Starkville, Mississippi

Teaching Online Certificate

September 2021 – December 2021

Quality Matters

Annapolis, Maryland

B.S. Environmental Analysis

August 2006 – May 2010

Thesis: *Paleoenvironmental change of Unity Pond, Waldo County, Maine*

Advisors: Kevin M. Spigley and Lois K. Ongley

Unity College

Unity, Maine

PROFESSIONAL EXPERIENCE:

Associate Professor of Geology (August 2020 – Present)

Assistant Professor of Geology (August 2014 – May 2016 and August 2017 – August 2020)

Department of Natural Sciences, Shawnee State University, Portsmouth, OH 45662 (Blackboard LMS)

Courses Developed and Taught:

GEOL 1201 – Physical Geology and the Human Environment

GEOL 1202 – Historical Geology

GEOL 1350 – Planet Earth

GEOL 1401 – Climate Change

GEOL 2204 – Sedimentary Rocks and Stratigraphy

GEOL 2501 – Soil Science

GEOL 3100 – Field Studies in Regional Geology

GEOL 4212 – Advanced Geologic Mapping

GEOL 4310 – Geomorphology

GEOL 4311 – Surface and Groundwater Hydrology

GEOL 4420 – Introduction to Geographic Information Systems

GEOL 4421 – Advanced Application in Geographic Information Systems

Significant Administrative and Leadership Roles:

Director of Distance Learning (August 2023 – Present)

Faculty Director of the E-Campus (March 2023 – May 2025)

Director of Celebration of Scholarship (August 2019 – May 2022; October 2024 – May 2025)

Interim Director of Upward Bound Math Science (June 2024 – July 2024)

Director of the General Education Program (August 2022 – April 2023)

Vice President of the University Faculty Senate (August 2021 – August 2022)

Chair of Educational Policies and Curriculum Committee (August 2021 – August 2022)

PROFESSIONAL EXPERIENCE, CONTINUED:

Adjunct Instructor of Earth Sciences (August 2018 – Present)

Distance Education, Unity Environmental University, New Gloucester, ME 04260 (Canvas LMS)

Courses Developed and Taught:

ENVS 201 – The Warming Planet: Understanding Climate Change

ESCI 605 – Water and Soil Resource Management

SUST 510 – Climate Dynamics

Courses Taught:

ESCI 505 – Carbon Cycling and Climate Change

EVPC 201 – Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation

PROF 590 – Capstone I

PROF 690 – Capstone II

SUST 520 – Community Planning for Resiliency

Adjunct Instructor of Environmental Sciences (March 2022 – Present)

Distance Education, Husson University, Bangor, ME 04401 (Canvas LMS)

Course Developed and Taught:

BR 113 – Climate Change: Science and Society

Lecturer III of Environmental Sciences (August 2022 – Present)

Distance Education, University of Maine at Augusta, Augusta, ME 04330 (Brightspace LMS)

Courses Developed and Taught:

GEY 101 – Physical Geology

SCI 110 – Environmental Science

Instructor (Summers 2018, 2019, 2020, 2022, 2023, 2024, 2025)

Upward Bound: Math and Science, Shawnee State University, Portsmouth, OH 45662

Taught introductory geology; hydrology; mapping; climate change; field methods; planetary geology; meteorology to high school students

Organized and led geology field trips for students in southern Ohio and central California

Assistant Professor of Earth Science (August 2016 – May 2017)

Department of Physics and Earth Science, Moravian College, Bethlehem, PA 18018

Courses Developed and Taught:

EASC 110 – Introductory Geology

EASC 120 – Introductory Meteorology

EASC 192 – Earth System Climatology

EASC 291 – Surface and Groundwater Hydrology

Teaching Assistant (Summer 2014)

Department of Geology and Geophysics, Louisiana State University, Baton Rouge, LA 70803

Freshman Field Camp Teaching Assistant (Colorado Springs, CO)

Prepared and delivered instruction of Introduction to Geology and Historical Geology

Co-led and co-organized multiple day and week-long field trips

Instructor (August 2010 – May 2014)

Department of Geosciences, Mississippi State University, Starkville, MS 39762

Courses Developed and Taught:

GG 1113/1111 – Physical Geology (lecture and lab)

GG 1123/1121 – Historical Geology (lecture and lab)

GG 1133 – Planetary Geology

Teaching Assistant (August 2010 – May 2013):

Department of Geosciences, Mississippi State University, Starkville, MS 39762

Courses Graded:

GG 3603 – Introduction to Oceanography

GG 3613 – Water Resources

GG 4233/6233 – Applied Geophysics

GG 4503/6503 – Geomorphology

PROFESSIONAL EXPERIENCE, CONTINUED:

Research Assistant (August 2010 – December 2013):

Department of Geosciences, Mississippi State University, Starkville, MS 39762

Field mapping and modeling of megaporosity for paleokarst reservoir characterization

GeoCorps America Program – Participant and Guest Scientist (Summers 2010 and 2011)

St. Ignace Ranger Station, Hiawatha National Forest, St. Ignace, MI 49781

Research and map surficial karst expression in the forest using ArcPad and ArcGIS

Worked on identifying chert sources, archeological inventory and stream monitoring

NSF-Research Experience for Undergraduates (REU) (Summer 2009)

Department of Earth Sciences, University of Minnesota Twin Cities, Minneapolis, MN 55455

Research on karst hydrogeology in southeastern Minnesota

Use ArcGIS and LiDAR to map sinkholes in Houston County, MN

Supplemental Instructor (August 2008 – December 2009)

Unity College, Unity, ME 04988

Served as a Supplemental Instructor for Algebra and Trigonometry (MA 1123)

Sat in class, held office hours, and led group study sessions

GIS Intern (Summer 2008)

New York State Department of Environmental Conservation, Avon, NY 14414

Developed GIS products for permit jurisdiction and community outreach

Teaching Assistant (August 2006 – May 2010)

Unity College, Unity, ME 04988

Assisted, supervised, and directed General Chemistry labs (CH 1104 and CH 1114)

PUBLICATIONS:

Note: * indicates undergraduate student co-author / + indicates graduate student co-author

Peer Reviewed:

Testa, M.P., Larson, E.B., Kirkland, B.L., 2025, Calcite precipitation with palmitic and stearic acids: *Minerals*, v. 15, no. 5, doi: 10.3390/min15040361

*Riggs, A., *Van Hook, M., *Romero, P., Larson, E.B., Testa, M.P., 2025, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research: *The Professional Geologist*, v. 62, no. 1, p. 14-19.

*Liles, P., *Pearson, L., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2022, GigaPan® photogrammetry for outcrop description, 3D modeling, and 3D printing: *The Compass: Earth Science Journal of Sigma Gamma Epsilon*, v. 92, no. 1, 3.

*Liles, P., *Pearson, L., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2022, From outcrops to 3D models and printing: *The Professional Geologist*, v. 59, no. 2, p. 19-24.

Larson, E.B., *Emmons, R.V., 2021, Dissolution of carbonate rocks in a laboratory setting: Rates and textures: *Minerals*, v. 11, no. 6, 605, doi: 10.3390/min11060605.

Sumrall, J.B., *Gauvey, K.L., Sumrall, J.L., *Sides, K.E. & Larson, E.B. 2020, Paleosol and cave mineralogy from Eleuthera, The Bahamas: in Niemi, T.M. & Sealey, K.S.: *Proceedings of the Second Joint Symposium of the Natural History and Geology of The Bahamas*, Gerace Research Centre, San Salvador, Bahamas, p. 9-17.

Sumrall, J.B. & Larson, E.B., 2020, Outcrop and thin section scale descriptions of Silurian carbonates within the Hiawatha National Forest, Mackinac County, Upper Peninsula, Michigan, USA: *Carbonates and Evaporites*, v. 35, no. 4, 105, doi: 10.1007/s13146-020-00640-2.

Frisbee, M.D., +Meyers, Z.P., +Miller, J.B., +Gleason, C.L., +Stewart-Maddox, N.S., Larson, E.B., Granger, D.E., Saksena, S., Dey, S. & Frisbee, E.E., 2019, Processes leading to the re-activation of a sinkhole in buried karst and the subsequent drying of waterfalls in a small catchment located in northern Indiana, USA: *Journal of Cave and Karst Studies*, v. 81, no. 2, p. 69-83, doi: 10.4311/2017ES0116.

Larson, E.B. & Mylroie, J.E., 2018, Diffuse versus conduit flow in coastal karst aquifers: The consequences of island area and perimeter relationships: *Geosciences*, v. 8, no. 7, 268, doi: 10.3390/geosciences8070268.

Sumrall, J.L., Clary, R.M. & Larson, E.B., 2017, Influence of geographic affiliation on student performance in online geology and meteorology courses: *Journal of Geoscience Education*, v. 65, no. 3, p. 336-345, doi: 10.5408/15-139.1.

PUBLICATIONS, CONTINUED:*Peer Reviewed, continued:*

- Sumrall, J.B., Larson, E.B. & Mylroie, J.E., 2017, Very high magnesium calcite formation and microbial communities found in porosity of the Seroe Domi formation of Curacao, Netherland Antilles: *Carbonates and Evaporites*, v. 32, no. 2, p. 123-133, doi: 10.1007/s13146-017-0352-7.
- Sumrall, J.B., Larson, E.B. & Mylroie, J.E., 2016, Caves within dolomitized sections of the Seroe Domi Formation on Curacao, Netherland Antilles: *Acta Carsologica*, v. 45, no. 1, p. 19-32, doi: 10.3986/ac.v45i1.650.
- Kambesis, P.N., Larson, E.B. & Mylroie, J.E., 2016, Morphometric analysis of cave patterns using fractal indices: *in* Feinberg, J., Gao, Y & Alexander, Jr., E.C., *Caves and Karst Across Time: Geological Society of America Special Paper 516*, p. 67-86, doi:10.1130/2016.2516(06).
- Kambesis, P.N., Mylroie, J.R., Mylroie, J.E., Larson, E.B., Owen-Nagel, A.M. & Sumrall, J.B., 2016, Influence of karst denudation on the northwest coast of Curacao: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16th Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 200-212.
- Larson, E.B., Mylroie, J.E., Albury, N., Kakuk, B. & Iliffe, T., 2016, Infilled blue holes on the Bahama banks as point sources for whiting origin: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16th Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 237-242.
- Mylroie, J.E., Kambesis, P.N., Owen, A.M., Sumrall, J.B., Larson, E.B., Mylroie, J.R. & Lace, M.J., 2016, Flank margin cave development at Cala Pi and Cala Figuera, Mallorca Island, Spain: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16th Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 213-221.
- Larson, E.B. & Mylroie, J.E., 2014, A review of whiting formation in the Bahamas and new models: *Carbonates and Evaporites*, v. 29, p. 337-347, doi: 10.1007/s13146-014-0212-7
- Larson, E.B. & Mylroie, J.E., 2013, Quaternary glacial cycles: Karst processes and the global CO₂ budget: *Acta Carsologica*, v. 42, no. 2-3, p. 197-202, doi: 10.3986/ac.v42i2-3.661
- Alexander, S.C., Rahimi, M., Larson, E.B., Bomberger, C., Greenwaldt, B & Alexander, Jr., E.C., 2013, Combining LiDAR, aerial photography, and Pictometry® tools for karst features database management: *in*: NCKRI Symposium 2: *Proceedings of the 13th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst May 6-10, 2013*: Land, L., Doctor, D.H. & Stephenson, J.B (eds.), p. 441-448.

Non-peer Reviewed:

- *Liles, P., *Pearson, L., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, The challenges of using a GigaPan in field based micro- and macro-sized data collection and image processing. *Diggin' Deep* (USDA Forest Service Minerals and Geology Management Publication), issue 318, p. 9-11.

In Press:

- *Assour, H.R., Renne, I.J., Larson, E.B., Diggins, T.P., Carson, W.P. *in press*, Steep slopes and cliff edges are browsing refugia for woody species within temperate deciduous forests. *Natural Areas Journal*.

In Preparation:

- *Knauer, A., Huczko, J., Champagne, E., Yacucci, A., Renne, I.J., Larson, E.B., Diggins, T.P., Royo, A.A., Carson, W.P., *in preparation*, Safe spaces for plants: A systematic review of refuges from larger herbivores in forests worldwide.

ABSTRACTS ACCEPTED AND PRESENTED:

Note: * indicates undergraduate student co-author

- *Davis, C., *Lewis, R., Larson, E., Ivers, S., 2025, A comparison of baseline biodiversity among three caves at Ohio Hanging Rock Preserve. Ohio Natural History Conference; Kimbolton, OH, February 22, 2025.
- *Kelly, T., *Bieker, R., *McLaughlin, K., *Romero, P., Larson, E.B., Testa, M.P., 2025, Petrographic analysis and distribution of sediment captured in dolomitized McKay Bay Member knoll reef, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 57, no. 1.
- *Kelly, T., *McLaughlin, K., *Bieker, R., Larson, E.B., Testa, M.P., 2025, Qualitative groundwater tracing in a karst aquifer, Hiawatha National Forest, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 57, no. 1.

ABSTRACTS ACCEPTED AND PRESENTED, CONTINUED:

- *Van Hook, M., *Romero, P., *Kelly, A., Larson, E.B., Testa, M.P., 2025, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. Geological Society of America *Abstracts with Programs*, vol. 57, no. 1.
- *McLaughlin, K., *Kelly, T., Testa, M.P., Larson, E.B., 2024, Qualitative groundwater tracing in a karst aquifer, Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- *McLaughlin, K., *Romero, P., Larson, E.B., Testa, M.P. 2024, Petrographic analysis and distribution of sediment captured in dolomitized McKay Bay Member knoll reef, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- *Romero, P., Flickinger, S., Larson, E.B., Testa, M.P., 2024, Identifying and mapping karst in the Hiawatha National Forest, Upper Peninsula of Michigan. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- *Romero, P., *Kelly, A., *VanHook, M., Larson, E.B., Testa, M.P., 2024, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- *Kelly, A., *Romero, P., *McLaughlin, K., *Thomas, M., Larson, E., Testa, M.P., 2024, Testing the Accuracy of Polycam 3d Scanning Software on Lidar and Optical Photogrammetry Devices in Field Research. Arkansas Academy of Science, Fort Smith, AR.
- *McLaughlin, K., *Romero, P., *Kelly, A., Larson, E., Testa, M.P., 2024, Distribution of Detrital Sediment Captured in McKay Bay Member Knoll Reef, Upper Peninsula, Michigan. Arkansas Academy of Science, Fort Smith, AR.
- *Kelly, A., *Romero, P., *McLaughlin, K., *Thomas, M., Larson, E.B. & Testa, M.P., 2023, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- *McLaughlin, K., *Romero, P., *Kelly, A., Larson, E.B. & Testa, M.P., 2023, Distribution of detrital sediment captured in McKay Bay knoll reef, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- *Mero, E., *Connor, L., *McLaughlin, K., Larson, E.B. & Testa, M.P., 2023, Biostratigraphic analysis of Tabulate and Rugosa coral found in a McKay Bay member knoll reef Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- Larson, E.B. & Testa, M.P., 2023, The karst of Mackinac County, Michigan: Where we've been and where we're going. Geological Society of America *Abstracts with Programs*, vol. 55, no. 3.
- *Smalley, B.L. & Larson, E.B., 2023, Dissolutional micro-textures on carbonates: Current work and future opportunities. Geological Society of America *Abstracts with Programs*, vol. 55, no. 3.
- *Smalley, B.L. & Larson, E.B., 2022, Dissolutional micro-textures on carbonate rocks in a laboratory setting. Geological Society of America *Abstracts with Programs*, vol. 54, no. 5.
- *Combs, B. *Dean, E., *Sheets, E., Larson, E.B. & Minter, L., 2021, Community partnering at Greenlawn Cemetery, Portsmouth, Ohio: Tree trails for education, health, recreation, and tourism. Ohio Natural History Conference; Online Conference, February 27, 2021.
- Larson, E.B., 2020, Times on the Hiawatha National Forest: From GeoCorps participant to academic. Geological Society of America *Abstracts with Programs*, vol. 52, no. 6.
- Minter, L.M. & Larson, E.B., 2020, Beyond facilities management: Utilizing campus tree inventories for students learning exercise and public outreach through digital access. American Society of Plant Biologists Midwest Section Meeting, Abstract accepted – presentation cancelled due to COVID-19.
- Larson, E.B. & Sumrall, J.B., 2020, Karst of the eastern Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- *Liles, P., *Pearson, L., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, The challenges of using field collected GigaPan micro- and macro-sized images to create accurate 3D renders and models. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- *Pearson, L., *Liles, P., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, Biostratigraphic analysis of a McKay Bay Member (Bush Bay Formation) mid-Silurian knoll reef in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- *Simpson, D.G., *Fitzpatrick, D.B., *Liles, P., *Barnett, S., *Pearson, L., Testa, M.P. & Larson, E.B., 2020, Grikes of the Hiawatha National Forest: Dissolutionally enlarged joints in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- *Lawson, K., *Sheets, E., *Vaughn, D., Larson, E.B. & Minter, L., 2020, Baseline monitoring of amphibians utilizing newly created pond habitats in southern Ohio. Ohio Natural History Conference; Toledo, OH, February 29, 2020.
- Larson, E.B. & Minter, L., 2019, Developing regional arboretums: tree trails as a way to connect to Appalachia. Symposium on Appalachian Studies in the Digital Age: (Re)covering Appalachia; Portsmouth, OH, October 31 – November 2, 2019.
- *Boyd, A.N. & Larson, E.B., 2019, Geomorphic analysis of remnant lakeshore features from digital elevation models of the eastern Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.

ABSTRACTS ACCEPTED AND PRESENTED, CONTINUED:

- *Fitzpatrick D.B., *Simpson, D.G., *Barnett, S., *Liles, P., *Pearson, L., Testa, M.P. & Larson, E.B., 2019, Hydrologic testing and analysis to determine groundwater flow paths in the Hiawatha National Forest, Michigan Upper-Peninsula. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- Larson, E.B., Travis, R. & Mylroie, J.E., 2019, Improving our understanding of paleokarst reservoirs: Evaluating epigene and hypogene cave collapse. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- *Liles, P., *Pearson, L., *Barnett, S., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2019, The challenges of using a GigaPan in field based micro- and macro-sized data collection and image processing. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- *Pearson, L., *Barnett, S., *Liles, P., *Simpson, D.G., *Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2019, Petrographic and biostratigraphic analysis of a McKay Bay Member (Bush Bay Formation) mid-Silurian knoll reef in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- *Simpson, D.G., *Fitzpatrick, D.B., *Liles, P., *Barnett, S., *Pearson, L., Testa, M.P. & Larson, E.B., 2019, Dissolutionally enlarged joints of the eastern Upper Peninsula, Michigan: Genesis and orientation. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- Mylroie, J.E., Kambesis, P.N., Lace, M.J., Larson, E.B., Mylroie, J.R., Owen-Nagel, A.M. & Sumrall, J.B., 2019, Geologic Interpretation of the karst features of northern Curacao. *National Speleological Society 2019 Annual Convention (June 17-21, 2019)*, p. 84.
- *Boyd, R.S., *Leesburg, J.N., *Cordle, B.A., *Simpson, D.G., *Emmons, R.V. & Larson, E.B., 2018, Evidence of pro-glacial lakeshores in the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- *Emmons, R.V., Finnen, D.C. & Larson, E.B., 2018, A laboratory method for measuring carbonate dissolution rates. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- Larson, E.B. & Mylroie, J.E., 2018, Diffuse versus conduit flow in coastal karst aquifers: The consequences of island area to perimeter relationships. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- *Leesburg, J.N., Sumrall, J.B. & Larson, E.B., 2018, Stratigraphic examination of the McKay Bay Member of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- *Sherwood, T.C., Minter, L.M. & Larson, E.B., 2018, A GIS database of native and exotic trees/woody-shrubs using historical and modern data at Shawnee State University. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- *Simpson, D.G., *Emmons, R.V., *Leesburg, J.N., *Boyd, R.S., *Cordle, B.A. & Larson, E.B., 2018, Dissolutional features of the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- Minter, L. & Larson, E., 2018, Integrating undergraduate student projects with campus tree planning and management. Southeast Ohio Tree City and Tree Campus USA meeting, Portsmouth, OH, 4/12/18.
- *Boyd, R., Larson, E.B. & Sumrall, J.B., 2018, Timing of expression of progradational collapse blue holes in The Bahamas: Examples from Eleuthera. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- *Emmons, R.V., Larson, E.B. & Finnen, D.C., 2018, A new laboratory method for measuring the dissolution rates of carbonate rocks. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- *Leesburg, J.N., Larson, E.B. & Sumrall, J.B., 2018, Petrographic analysis of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, MI. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- *Gauvey, K.L., Sumrall, J.B. & Larson, E.B., 2018, Cave and paleosol mineralogy from Eleuthera, The Bahamas. Geological Society of America *Abstracts with Programs*, vol. 50, no. 1.
- Sumrall, J.B. & Larson, E.B., 2018, Geomorphic constraints using flank margin caves and remnant voids from the Caribbean. Geological Society of America *Abstracts with Programs*, vol. 50, no. 1.
- Larson, E.B., 2017, Karst at Shawnee State University: From the tropics to the boreal forests. Friends of Karst Mini-Symposium, Morgantown, WV, 11/10/17.
- Larson, E.B., 2017, Teaching groundwater hydrology principles inexpensively: Permeameters and Darcy's Law. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- *Leesburg, J.N., Larson, E.B., *Gauvey, K.L., Sumrall, J.B. & *Hahn, M.S., 2017, Stratigraphic reconnaissance of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, MI. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- Sumrall, J.B., Larson, E.B., *Burton, M.I., *Quiroga, A., *Vega, J., *Gauvey, K.L. & *Leesburg, J.N., 2017, Relationship of bedrock geology and karst features in the St. Ignace District of the Hiawatha National Forest, UP Michigan. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- *Gauvey, K.L., Sumrall, J.B., *Leesburg, J.N., Larson, E.B. & *Hahn, M.S., 2017, Stratigraphic framework of silicification in the middle Silurian carbonates of the St. Ignace District of the Hiawatha National Forest, UP Michigan. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.

ABSTRACTS ACCEPTED AND PRESENTED, CONTINUED:

- Larson, E.B., Testa, M.P., *Burton, M.I. & *Evans, B.A., 2017, Improved cave surveying techniques for enhanced mapping and realistic modeling in the Compass software. VII Convencion de Ciencias de la Tierra, XII Congreso de Geología (Geología 2017), Havana, Cuba, p. 16.
- Testa, M.P., Larson, E.B. & Kirkland, B.L., 2017, The identification and influence of organic matter on carbonate mineral growth. VII Convencion de Ciencias de la Tierra, XII Congreso de Geología (Geología 2017), Havana, Cuba, p. 192.
- *Burton, M.I., *Carpenter, D.D. & Larson, E.B., 2016, A new cave survey technique for improving 3D rendering and volumetric accuracy within the Compass software. Geological Society of America *Abstracts with Programs*, vol. 48, no. 7.
- *Burton, M.I., Sumrall, J.B. & Larson, E.B., 2016, Grike (kluftkarren) development in the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 48, no. 7.
- Larson, E.B. & Sumrall, J.B., 2016, Surficial karst and pseudokarst features of the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 48, no. 7.
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- Travis, R.W., Larson, E.B. & Mylroie, J.E., 2014, Void collapse as related to dissolutional megaporosity. Geological Society of America *Abstracts with Programs*, vol. 46, no. 3, p. 97.
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ABSTRACTS ACCEPTED AND PRESENTED, CONTINUED:

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- Larson, E.B. & Mylroie, J.E., 2013, Quaternary glacial cycles: Karst processes and the global CO₂ budget. *Karst Waters Institute: Carbon and Boundaries in Karst Conference (January 7-11, 2013)*, p. 27.
- Larson, E.B. & Mylroie, J.E., 2012, Modeling blue hole development in the Bahamas. *Geological Society of America Abstracts with Programs*, vol. 44, no. 7, p. 170.
- Mylroie, J.E., Kambesis, P.N., Owen, A.M., Sumrall, J.B., Larson, E.B., Mylroie, J.R. & Lace, M.J., 2012, Preservation of flank margin caves at Cala Pi and Cala Figuera, Mallorca Island, Spain. *National Speleological Society 2012 Annual Convention (June 25-29, 2012)*.
- Kambesis, P., Mylroie, J., Mylroie, J., Larson, E., Owen-Nagel, A., Sumrall, J. & Lace, M., 2012, Karst denudation on the northwest coast of Curacao. *National Speleological Society 2012 Annual Convention (June 25-29, 2012)*.
- Larson, E.B., Mylroie, J.E., Albury, N. & Kakuk, B., 2012, Infilled blue holes on the Bahama banks as point sources for whiting origin. *16th Symposium on the Geology of the Bahamas and other Carbonate Regions (June 14-18, 2012)*.
- Kambesis, P., Mylroie, J., Mylroie, J., Larson, E., Owen-Nagel, A. & Sumrall, J., 2012, Influence of karst denudation on the northwest coast of Curacao. *16th Symposium on the Geology of the Bahamas and other Carbonate Regions (June 14-18, 2012)*.
- Mylroie, J.E., Kambesis, P.N., Owen, A.M., Sumrall, J.B., Larson, E.B., Mylroie, J.R. & Lace, M.J., 2012, Flank margin cave development at Cala Pi and Cala Figuera, Mallorca Island, Spain. *16th Symposium on the Geology of the Bahamas and other Carbonate Regions (June 14-18, 2012)*.
- Mylroie, J.E., Owen, A.M., Sumrall, J.B., Kambesis, P.N., Lace, M.J., Larson, E.B. & Mylroie, J.R., 2012, Quantitative description and coastal mapping of flank margin caves on Mallorca Island, Spain. *NSF Conference: Sea-level changes into the MIS 5: from observations to predictions (April 10-14, 2012)*.
- Larson, E.B. & Mylroie, J.E., 2012, Infilled blue holes on the Bahama banks as point sources for whiting origin. *Geological Society of America Abstracts with Programs*, vol. 44, no. 4, p. 25.
- Larson, E.B. & Stuntebeck, J.J., 2011, Karst features of the Hiawatha National Forest, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 43, no. 5, p. 252.
- Mylroie, J.E., Mylroie, J.R., Larson, E.B., Sumrall, J., Lace, M., Infante, L., Ho, D. & Kambesis, P.N., 2011, A model for predicting the occurrence of collapse features on carbonate islands and coastlines. *Geological Society of America Abstracts with Programs*, vol. 43, no. 5, p. 286.
- Larson, E.B., Drake, E.C. & Stuntebeck, J.J., 2010, Advances in surficial karst feature mapping in the Hiawatha National Forest, Michigan. *Geological Society of America Abstracts with Programs*, vol. 42, no. 5, p. 459.
- Ongley, L.K., Douin, A., Godaire, T., Larson, E.B. & Lewis, M., 2010, Finding time and the 'right' technology for research. *Geological Society of America Abstracts with Programs*, vol. 42, no. 5, p. 498.
- Luhmann, A.J., Anger, C.T., Greene, J.A., Larson, E.B., Alexander, S.C., Covington, M.D., Green, J.A. & Alexander, Jr., E.C., 2010, Simultaneous fluorescent dye, conductivity and thermal traces in a karst springshed. *Geological Society of America Abstracts with Programs*, vol. 42, no. 2, p. 77.
- Larson, E.B. & Spiegel, K.M., 2010, Paleoenvironmental change of Unity Pond, Waldo County, Maine, USA. *Association of American Geographers (AAG) Annual Meeting 2010*.
- Larson, E.B., Alexander, S.C., Greene, J.A. & Alexander, Jr., E.C., 2009, Advances in sinkhole mapping: A LiDAR survey of Houston County, Minnesota. *Geological Society of America Abstracts with Programs*, vol. 41, no. 7, p. 678.
- Larson, E.B., Knipper, P., Schaeffer, B., Fluette, E., Dugin, A., Russel, A., Douin, A., Vinci, J. & Potter, D., 2009, Cell phone use as a tool for owl monitoring: A synopsis of three projects. *MIT Human-Environment Mobile Based Interactions Conference*.
- Spiegel, K.M. & Larson, E.B., 2009, Investigations of Wildfire Activity during periods of rapid climate change: An example from the Younger Dryas chronozone (YDC). *Association of American Geographers (AAG) Annual Meeting 2009*.
- Larson, E.B., Lewis M., Kern, C., Stuart, R.W., Bitner, C. & Ongley, L.K., 2008, Assessment of eutrophication potential, Pattee Pond, Winslow, Maine. *Maine Water Conference 2008 Spring Meeting*.
- Larson, E.B., Lewis, M., Stuart, R.W. & Ongley, L.K., 2008, Assessment of eutrophication potential, Pattee Pond, Winslow, Maine. *Maine Geological Society 2008 Spring Meeting*.
- Lewis M., Larson, E.B. & Ongley, L.K., 2008, Arsenic variability in drinking water from a domestic well, Unity, Maine. *Maine Geological Society 2008 Spring Meeting*.

SHAWNEE STATE UNIVERSITY UNDERGRADUATE RESEARCH STUDENTS MENTORED:

Alexandria Boyd (2019)
 Rebecca Boyd (2017-2018)
 M. Isaac Burton (2015-2017)
 Dylan Carpenter (2015-2016)
 Brittany Cordle (2017-2018)
 Ronald Emmons (2016-2017)
 Brady Evans (2014-2015)
 David Fitzpatrick (2019-2020)
 Zachary Ginn (2019-2020)

V. Peyton Hall (2015-2016)
 Seth Harris (2015)
 Jessica Leesburg (2016-2018)
 Samuel Rogers (2019)
 C. Gabe Sheppard (2023)
 Dakota Simpson (2018-2020)
 Blake Smalley (2021-2023)
 A. Rhiannon Wallin (2020)

SHAWNEE STATE UNIVERSITY UNDERGRADUATE RESEARCH STUDENTS CO-ADVISED:

Brianna Combs (2020-2021), co-advisor: L. Minter
 Cameron Davis (2025), co-advisor: S. Ivers
 Emily Dean (2020-2021), co-advisor: L. Minter
 Logan Gleichauf (2018-2020), co-advisor: D. Jones
 Wesley Jones (2024), co-advisor: D. Jones
 Kaitlyn Lawson (2019-2020), co-advisor: L. Minter
 Reagan Lewis (2025), co-advisor: S. Ivers

Mckenzie Loper (2023-2024), co-advisor: D. Jones
 Sara Miller (2019-2020), co-advisor: D. Jones
 Michael Rife (2023), co-advisor: D. Jones
 Emily Sheets (2019-2020), co-advisor: L. Minter
 Tyler Sherwood (2018-2019), co-advisor: L. Minter
 Dakota Vaughn (2019-2020), co-advisor: L. Minter
 Kenzie Zaph (2020), co-advisor: L. Minter

EXTERNAL UNDERGRADUATE RESEARCH STUDENTS CO-MENTORED:

Samantha Barnett (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Kaitlyn Gauvey (2015-2018) – Fort Hays State University, co-advisor: J. Sumrall
 Abby Kelly (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Tucker Kelly (2024 – Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Connor Letty (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Preston Liles (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Emily Mero (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Kaleb McLaughlin (2023-Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa

Logan Pearson (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Mallory Ramos (2015-2016) – Sam Houston State University, co-advisor: J. Sumrall
 Perla Romero (2023-Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Allison Quiroga (2015-2017) – Sam Houston State University, co-advisor: J. Sumrall
 Kristin Sides (2015-2016) – Sam Houston State University, co-advisor: J. Sumrall
 Mariah Thomas (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Matt VanHook (2024 – Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa
 Jordan Vega (2015-2017) – Sam Houston State University, co-advisor: J. Sumrall

INVITED PRESENTATIONS:

Spring 2021: Creek Run LLC Annual Workshop
 Fall 2019: Creek Run LLC Annual Workshop
 Fall 2018: Creek Run LLC Annual Workshop
 Fall 2017: Creek Run LLC Annual Workshop
 Spring 2016: Ohio University Geoscience Colloquium
 Fall 2015: Creek Run LLC Annual Workshop
 Spring 2014: Mississippi State University Department of Geoscience Brown Bag Lecture Series
 Fall 2013: Creek Run LLC Annual Workshop
 Spring 2013: Mississippi State University Department of Geoscience Brown Bag Lecture Series

UNDERGRADUATE RESEARCH STUDENT PRESENTATIONS ON-CAMPUS:

Spring 2025: Celebration of Scholarship – 1 Poster (Davis and Lewis)
 Spring 2024: Celebration of Scholarship – 1 Oral (Jones and Loper)
 Fall 2023: Department of Natural Sciences Research Day – 1 Oral (Sheppard)
 Spring 2023: Celebration of Scholarship – 1 Poster (Smalley)
 Fall 2022: Department of Natural Sciences Research Day – 1 Poster (Smalley)
 Spring 2022: Celebration of Scholarship – 1 Oral (Smalley)
 Fall 2021: Department of Natural Sciences Research Day – 1 Oral (Smalley)
 Fall 2019: Department of Natural Sciences Research Day – 2 Oral (Ginn, and Rogers), 3 Posters (A. Boyd, Fitzpatrick, and Simpson)
 Spring 2019: Celebration of Scholarship – 2 Oral (Sherwood, and Fitzpatrick and Simpson)
 Fall 2018: Department of Natural Sciences Research Day – 3 Posters (R. Boyd, Sherwood, and Simpson)
 Spring 2018: Celebration of Scholarship – 2 Posters (R. Boyd, and Leesburg), 2 Oral (Cordle, and Emmons)
 Fall 2017: Department of Natural Sciences Research Day – 2 Oral (Emmons, and Leesburg)
 Spring 2016: Celebration of Scholarship – 2 Oral (Burton and Carpenter, Leesburg and Hall)
 Fall 2015: Department of Natural Sciences Research Day – 1 Oral (Burton)
 Spring 2015: Celebration of Scholarship – 1 Poster (Burton and Harris), 1 Oral (Evans)
 Fall 2014: Department of Natural Sciences Research Day – 1 Oral (Evans)

SELECTED TRAINING:

2023: Assessment Workshops (Program Assessment Techniques; Qualitative Assessment)
 2022: Assessment Workshops (Assessment Roundtable; Classroom Assessment Techniques; Program Assessment Techniques)
 2022: Safe Zone Training
 2022: Green Zone Training (Military Friendly Training)
 2021: Assessment Workshops (Learning Outcomes; Simplify Your Assessment Plan)
 2021: Higher Learning Commission Assessment Academy
 2020: Assessment Workshops (Co-curricular Assessment; Institutional Accreditation and Assessment; Qualitative Methods for Assessment; Grade Contracts and Alternatives to Traditional Grades)
 2020: Foundations of Online Course Design (online training with The Learning House / Wiley)
 2019: Foundations of Online Course Delivery (online training with The Learning House / Wiley)
 2019: Green Zone Training (Military Friendly Training)
 2019: Assessment Trainings and Workshops (I, II, and III)
 2019: Creating Safe(r) Spaces for the LGBTQ+ Community
 2019: Creating LGBTQI Safe and Affirming Campus Environments
 2019: Inclusivity Training 2.0 and 3.0
 2018: Migrating from ArcMap to ArcGIS Pro (16-hour online class taught by ESRI)
 2018: Inclusivity Training 1.0
 2018: Veterans on Campus
 2015: Workshop for Early Career Geoscience Faculty (weeklong workshop run by SERC, NAGT and NSF)

FUNDS REQUESTED (AND RECEIVED):

2025: \$1,910.62 (\$2,066.08.) DNS Travel Fund – travel support for research
 2024: \$1,254.10 (\$1,254.10) DNS Travel Fund – travel support for research
 2024: \$381.70 (\$936.56) DNS Travel Fund – travel support for research
 2023: \$775.80 (\$775.80) DNS Travel Fund – travel support for conference
 2023: \$6,000 (\$0) Institutional Course Fee Account – meteorology equipment for GEOL 1350
 2023: \$1,032.29 (\$700) DNS Travel Fund – travel support for research
 2023: \$1,229.66 (\$820) Schirrmann Travel Fund (CAS Dean) –support for student travel to regional GSA meeting
 2022: \$1,628 (\$0) SSU Faculty Enrichment Fund – support for travel to regional GSA meeting
 2022: \$500 (\$1,000) Schirrmann Travel Fund (CAS Dean) –support for student travel to GSA meeting
 2022: \$2,500 (\$2,500) SSU Faculty Enrichment Fund – support for travel to GSA meeting
 2021: \$2,500 (\$0) SSU Development Foundation – with co-PI K. Inman – on behalf of the DNS to support health and safety initiatives for the lab and field settings
 2021: \$3,300 (\$3,300) SSU Development Foundation – with co-PI's J. Pauley & M. Cram – on behalf of the CAS Recruitment Committee to support college-wide recruitment efforts
 2021: \$3,000 (\$3,000) President's Internal Research Program – with co-PI S. Ivers– investigation of microplastics in southern Ohio
 2021: \$500 (\$500) DNS Travel Fund – travel support for GSA meeting and travel for research
 2020: \$5,000 (\$0) Foundation of Appalachian Ohio – with co-PI L. Minter –tree trails and outreach in the community

FUNDS REQUESTED (AND RECEIVED), CONTINUED:

2020: \$535 (\$535) DNS Travel Fund – travel support for GSA meeting
 2020: \$2,500 (\$0) SSU Development Foundation – with co-PI R. Milliken – development of meta-majors for the College of Arts and Sciences
 2020: \$2,500 (\$0) SSU Development Foundation – with co-PI's K. Inman and L. Minter – on behalf of the DNS Recruitment Committee to support student learning community and departmental research efforts
 2020: \$10,100 (\$10,100) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project
 2019: \$10,100 (\$0) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project
 2019: \$325 (\$325) DNS Travel Fund – travel support for GSA meeting
 2019: \$10,890 (\$0) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project
 2019: \$2,500 (\$1,750) SSU Development Foundation – with co-PI's K. Inman and L. Minter – on behalf of the DNS Recruitment Committee to support student learning community and departmental research efforts
 2019: \$2,500 (\$1,750) SSU Development Foundation – with co-PI's R. Milliken and M. Orlando – on behalf of the CAS Recruitment Committee to support college-wide recruitment efforts
 2019: \$500 (\$500) Ohio Biological Survey – with co-PI L. Minter – pond monitoring start-up funds
 2019: \$375 (\$375) DNS Travel Fund – support for research travel
 2018: \$2,500 (\$1,000) SSU Development Foundation – on behalf of the DNS Recruitment Committee to support recruitment efforts
 2018: \$2,000 (\$2,000) SSU Faculty Enrichment Fund – support for travel to GSA meeting
 2017: \$350 (\$350) DNS Travel Fund – travel support for GSA meeting
 2017: \$2,000 (\$2,000) Shawnee State Research Fund – advised student grant submission for research
 2017: \$500 (\$800) Schirman Travel Fund (CAS Dean) –support for student travel to GSA
 2017: \$600 (\$600) CAS Deans Travel Fund – support for student travel to GSA
 2016: \$500 (\$500) DNS Travel Fund – travel support for GSA meeting
 2015: \$1,000 (\$1,000) SSU Development Foundation – travel support for GEOL 4310 field trip
 2015: \$2,000 (\$2,000) SSU Faculty Enrichment Fund – travel support for GSA meeting

SERVICE ACTIVITIES:*Major and Continuous Activities:*

Distance Learning Committee

Director of Distance Learning (Aug 2023 – Present)

- Oversee all curricular proposals related to online learning that are not managed through OPM
- Develop committee agendas, meeting materials, and chair meetings
- Worked with faculty and administration on proposal submission and approval process
- Created, updated, and maintained guidance documents, policies, example Blackboard site, and templates

E-Campus

Faculty Director (March 2023 – May 2025)

Liaison with Online Program Manager (OPM), Risepoint (formerly Wiley University Services)

- Coordinate communication between faculty, staff, administration and OPM
- Schedule development, course development and refresh, recruitment, advising
- Ensure compliance with contractual obligations
- Evaluate future opportunities
- Work on OPM Transition Committees

Online Programming

- Lead consultation for design, development, implementation, and evaluation of E-campus projects, programs, and initiatives
- Encourage best practices in online delivery and design
- Provide professional development opportunities to faculty
- Ensure compliance and submit reports to NC-SARA (National Council for State Authorization Reciprocity Agreements)
- Developed comprehensive list of all online offerings; responsible faculty; expiration dates

Blackboard Ultra Rollout Committee

Faculty, E-campus, and Distance Learning Committee Representative (Nov 2023 – Present)

- Developed and implemented rollout plan for Blackboard Ultra
- Trained as administrator in Ultra
- Facilitated training of other faculty

SERVICE ACTIVITIES, CONTINUED:

Major and Continuous Activities, Continued:

Assessment and Accreditation Committee

College Representative (Oct 2022 – Present)

Review and provide feedback on curricular and co-curricular assessment plans across campus

Ohio Transfer 36, Natural Sciences Review Panel

Institutional Representative (Aug 2021 – Present)

Review natural science courses submitted to Ohio Transfer 36 and make recommendations on their inclusion

Upward Bound Math Science

Interim Director (June 2024 – July 2024)

Run and manage five (5) week summer residential program for 39 high school aged students

Organize and supervise a week-long trip with 26 high school aged students to New York City

Supervise a Program Assistant and six (6) Residential Advisors

Make budgetary decisions and reconcile expense reports

Organized community service projects for participants

Chaired search committee for new director

General Education Program

Director (Aug 2022 – April 2023)

Oversee all curricular proposals related to general education

Preside over General Education Advisory Council

Develop committee agendas, meeting materials, and chair meetings

Evaluate transfer credits and course substitutions for general education courses

Liaise with the Ohio Department of Higher Education on Ohio Transfer 36

Ensure institutional compliance with Ohio Transfer 36

Oversaw realignment of General Education Program to Ohio Transfer 36

Institutional coordinator for ODHE's Course Equivalency Management System (CEMS)

Serve on ODHE and OATN's General Education Mapping Project committee

Aid in learning outcomes and assessment plan revisions for Fine Arts and Literature categories

Revise and update policy and procedures for Transfer credit

Continual update of program webpage and catalog

Updated committee bylaws

Digitized old catalogs and quarter to semester conversion documents to aid in advising

General Education Assessment Fellow (Aug 2021 – Aug 2022)

Developed overarching assessment plan for entire General Education Program

Revised learning outcomes and developed assessment plan for Natural Sciences Category

Revised learning outcomes and developed assessment plan for Quantitative Reasoning Category

Collected and analyzed assessment data from Natural Sciences Category

General Education Advisory Council – Department Representative (Aug 2019 – May 2022)

Deliberated and voted on curricular proposals related to the General Education Program

Higher Learning Commission – Assessment Academy (Aug 2021 – Aug 2023)

Work with a team of faculty and administrators to improve overall general education assessment

Natural Sciences General Education Committee (Aug 2019 – Aug 2024; Chair: Aug 2019 – Sept 2022)

Ensure all courses are collecting assessment data

Scored department assessment data

Educational Policies and Curriculum Committee

Chair (Aug 2021 – Sept 2022)

Oversee all curricular proposals related to undergraduate programs

Oversee all institutional policies and procedures

Develop committee agendas, meeting materials, and chair meetings

Served as a system administrator for curricular software (Curriculog)

Organized training sessions on Curriculog

Worked with faculty and administration on proposal submission and approval process

SERVICE ACTIVITIES, CONTINUED:

Major and Continuous Activities, Continued:

Celebration of Scholarship Committee

Faculty Representative (Aug 2014 – May 2016 and Aug 2019 – May 2023 and Oct 2024 – Present; Chair: Aug 2019 – May 2022 and Oct 2024 – Present)

- Organized and chaired institutional research conference
- Successfully managed \$10,000 yearly budget
- Implemented use of the Digital Commons (BePress) for abstract and video submissions
- Implemented successful launch of first hybrid conference
- Implemented first assessment plan for the event; collected and reported on results
- Updated and maintained webpages for the event

University Faculty Senate

Vice-President (Aug 2021 – Sept 2022)

- Represented the university at Ohio Faculty Council
- Represented faculty interests on the Academic Resource Management Committee
- Chaired committee to revise faculty senate Constitution and Bylaws
- Introduced a resolution on Free Speech and Divisive Concepts which was adopted

Department of Natural Sciences Representative (Jan 2025 – Present)

- Represent Department interests to the Faculty Senate and report on actions

Dual Enrollment Supervisor

Faculty Supervisor of GEOL 1350 Offering at Piketon High School (Aug 2020 – May 2022)

- Oversaw delivery of college course in the high school
- Worked with the teacher on improvement plans

Geology Program

Geology Program Review (Aug 2018 – May 2020)

- Co-chaired program review committee, prepared over half of self-study document

BS Geology Creation (Aug 2018 – Dec 2020)

- Chaired committee to create the BS Geology with a Professional and Environmental Track
- Prepared paperwork for internal committees
- Prepared paperwork for the Ohio Department of Higher Education

Course Coordinator (Aug 2014 – May 2016; Aug 2017 – Present)

- Oversee offerings and scheduling of GEOL 1201, 1202, 1350, and 1401
- Liaise with bookstore on textbook needs

Geology Club Advisor (Aug 2014 – May 2016; Aug 2017 – May 2021, end of club)

- Mentored club activities, fundraising, and expenses

Academic Advisor (Aug 2014 – May 2016; Aug 2017 – Present)

- Advise geology and education students on course scheduling and career planning

Program Assessment (Aug 2018 – Present)

- Developed program learning outcomes
- Developed program assessment plan
- Collect and analyze assessment data
- Compile yearly reports

Curricular Updates (Aug 2014 – May 2016; Aug 2017 – Present)

- Provide regular updates to program curriculum
- Provide regular updates to program courses
- Successfully submitted GEOL 1201 to the ODHE Transfer Assurance Guide (TAG)
- Successfully submitted GEOL 1201, 1350, and 1401 to Ohio Transfer 36 (OT36)

Outreach and Recruitment (Aug 2014 – May 2016; Aug 2017 – Present)

- Participate in on average three recruitment and outreach events per semester

Department of Natural Sciences Research Award Committee

Discipline Representative (Aug 2019 – Present; Chair Aug 2019 – Present)

- Developed criteria for award
- Evaluate yearly submissions

SERVICE ACTIVITIES, CONTINUED:*Major and Continuous Activities, Continued:*

College of Arts and Sciences Recruitment Committee

Department of Natural Sciences Representative (Aug 2018 – May 2022)

Organized recruitment efforts for the College

Created the “Bear-y Motivated” campaign

Participated in and organized numerous outreach and recruiting events

Successfully wrote \$6,050 worth of grants to support the committee’s goals

Geological Society of America, Karst Division, Awards Committee

Division Representative (Aug 2016 – Present; Chair May 2022 – Present)

Evaluate grant submissions

Evaluate division award nominations

Environmental Engineering Technologies Program

Search Committee for Visiting Faculty Member (Aug 2017 – May 2018; Aug 2019 – May 2020)

Served as committee member on two search committees

Program Offerings (Aug 2014 – May 2016; Aug 2017 – May 2021, closure of program)

Collaborated on shared courses with the geology program (GEOL 1201, 4311, and 4420)

Collaborated on shared resources

Campus Tree Committee

Faculty Representative (Aug 2018 – Present)

Make decisions about tree plantings and maintenance on campus

Compile / submit application materials and liaison with Arbor Day Foundation (2023 – Present)

Enrollment Management Committee

E-campus Representative (March 2023 – May 2023)

Make recommendations for institutional recruitment efforts

Update committee on E-campus efforts

Environmental Science Program

BS Environmental Science Creation (Jan 2024 – Present)

Chaired committee to create the BS Environmental Science degree

Prepared paperwork for internal committees

Shorter (Yearly) Activities:

AY 24/25:

Botany Tenure-Track Faculty Search Committee

Campus Planning Committee

Department of Natural Sciences – Bylaws Review / Update ad-hoc Committee

Department of Natural Sciences Recruitment Committee

Hiking Club Advisor

Parking Appeal Review Committee

President’s Council

SEA – OPM Transition Committee

University Faculty Senate – Constitution and Bylaws Revision Committee

University OPM Transition Committees

Upward Bound Math Science Director Search Committee

AY 23/24:

Artificial Intelligence University Resolution and Syllabus Language Committee

Botany Tenure-Track Faculty Search Committee

Contract Negotiation – Article 20 Review – Chair

General Education Transfer Policy Committee

Hiking Club Advisor

Upward Bound Math Science Director Search Committee – Chair

SERVICE ACTIVITIES, CONTINUED:*Shorter (Yearly) Activities, Continued:*

AY 22/23:	Accreditation Mid-Cycle Review Criterion 2 Committee Accreditation Mid-Cycle Review Criterion 4 Committee College of Arts and Sciences Dean Search Committee – Department Representative Hiking Club Advisor Institutional Accreditation Steering Committee Natural Sciences Lab Manager Search Committee – Discipline Representative
AY 21/22:	Accreditation Mid-Cycle Review Criterion 2 Committee Department of Natural Sciences – Bylaws Review / Update ad-hoc Committee Hiking Club Advisor University of Arkansas – Fort Smith Geosciences Program Review – External Reviewer Vice President for Finance and Administration Search Committee – College Representative
AY 20/21:	Accreditation Mid-Cycle Review Criterion 2 Committee BS Environmental Science Program Creation Committee (chair) Geological Society of America Annual Meeting Session Co-convenor Program Review Policy Review Committee – College Representative
AY 19/20:	Geological Society of America Regional Meeting in Duluth, MN Session Co-convenor Program Review Policy Review Committee – College Representative
AY 18/19:	Department of Natural Sciences Recruitment Committee (chair)
AY 17/18:	Election committee for the University Faculty Senate Grade Appeals Policy ad-hoc committee of the University Faculty Senate (co-chair) Workload committee for Shawnee Education Association (faculty union)
AY 14/15:	Election committee for the University Faculty Senate

Peer Reviewer For:

- *Applied Sciences*
- *Carbonates and Evaporites*
- *Energies*
- *Geology*
- *Geosciences*
- *Hydrogeology Journal*
- *Hydrology*
- *International Journal of Environmental Research and Public Health*
- *International Journal of Speleology*
- *Journal of the Arkansas Academy of Science*
- *Journal of Cave and Karst Studies*
- *Journal of Coastal Research*
- *Journal of Geophysical Research - Biogeosciences*
- *Journal of Marine Science and Engineering*
- *Land*
- *Quaternary International*
- *Remote Sensing of Environment*
- *Scientific Reports*
- *Sustainability*
- *The Ohio Journal of Science*
- *Water*

Grants Reviewer For:

National Science Foundation (NSF), and United States Geological Survey (USGS)

Book Proposal Reviewer For:

Springer

AWARDS AND HONORS:

2025: Shannon Lawson Faculty Service Award – Given by the SSU Teaching and Learning Center
 2024: Board of Trustees Distinguished Teaching Award – Given by the SSU Board of Trustees
 2023: Upward Bound Math Science Instructor of the Year – Given by the UBMS program director
 2019: Young Scientist Award – Given by the Geological Society of America's Karst Division
 2018: Faculty Research Award – Given by the Shawnee State University Faculty Senate
 2010: Unity College President's Commendation for Academic Excellence – For academic integrity and excellence in research
 2010: Unity College Dean's Award – Highest cumulative GPA of all graduating students

CURRENT PROFESSIONAL MEMBERSHIP:

American Association of Petroleum Geologists
American Institute of Professional Geologists
Geological Society of America
National Speleological Society
Ohio Cave Survey
Ohio Geological Society
Online Learning Consortium
Urban and Regional Information Systems Association – Ohio Chapter