

James E. Evans

CURRICULUM VITAE 11-17-2022

School of Earth, Environment, and Society
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Research and Teaching Interests

- Sedimentary geology: interpretation of depositional environments, facies analysis, stratigraphy, interpretation of sedimentary structures, tectonics and sedimentation.
- Surface water hydrology: historical changes in rivers, sediment transport, physical flow conditions, removals of dams, river restoration, contaminated sediment, public policy.
- Environmental geology: geological hazards such as coastal erosion, mass wasting, flooding; geological resource analysis; human impacts on soil erosion and sedimentation rates.
- Paleoclimatic analysis: interpretation of paleosols, tufas and travertines, loessites.

Education

- Ph.D. in Geological Sciences, 1988, University of Washington, Seattle.
- M.S. in Hydrogeology & Ecology, 1980, University of Minnesota, Minneapolis.
- B.A. in Geology, *magna cum laude*, 1976, Carleton College, Minnesota.

Professional Experience

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| 2019-now | <i>Emeritus</i> Professor of Geology, Bowling Green State University.
Professor of Geology (2001-2019), Associate Professor of Geology (1994-2001),
Assistant Professor of Geology (1988-1994) |
| 2004-2005 | Visiting Professor, University of Plymouth, Plymouth, U.K. |
| 1999-2003 | Faculty Research Associate, BGSU Center for Policy Analysis & Public Service. |
| 1987-1988 | Legislative Assistant for the Honorable Michael Lowry, 7 th District of
Washington State, United States House of Representatives. |

Significant Professional Recognitions

- College of Arts & Sciences Distinguished Lecture, Presenter (2019).
- Science Advisory Panel, Resource Legacy Fund, William & Flora Hewlett Foundation (2018).
- Contract Administration & Grievance Officer, Bowling Green State University (2013-14).
- Distinguished Service Awards, Geological Society of America (2011, 2001, 1992).
- Master Teacher Award Nominee, Bowling Green State University (2010, 1990).
- Faculty Distinguished Service Award, Bowling Green State University (2008).
- Chair of the BGSU Faculty Senate (2001-2002). Vice-Chair/Chair-Elect (2000-2001).
- Chair, Committee on Geology & Public Policy, Geological Society of America (1999-2000).
- Honorary Fellow, Ohio Academy of Sciences (1998).
- Honorary Fellow, Geological Society of America (1997).
- Distinguished Service Award, American Association for Advancement of Science (1988).
- Congressional Science Fellow, Geological Society of America (1987-1988).
- Congressional Liaison to the National Academy of Sciences, National Research Council, Marine Science Board, Panel on Contaminated Marine Sediments (1987-1988).

Editor of Book or Special Publication [number of citations as of 11-17-2022]

1. DeGraff, J.V. and J.E. Evans (editors), 2013. *The Challenges of Dam Removals and River Restoration*. Boulder, Colorado: Geological Society of America, Reviews in Engineering Geology, Volume 21, 203 pp. [5]
2. Gottgens, J.F. and J.E. Evans (editors), 2007. *Dam Removals and River Channel Changes in Northern Ohio: Implications for Lake Erie Sediment Budgets and Water Quality*. Ann Arbor, Michigan: International Association for Great Lakes Research, Journal of Great Lakes Research Volume 33, Special Issue 2, pp. 87-193. [7]

Refereed Publications (* indicates student authors) [number of citations as of 11-17-2022]

1. **Evans, J.E.** and C.S. Holm-Denoma, 2022 (under review). Far traveled, eolian dust signature in Mississippian paleocave sediments (Leadville, Madison, and Pahasapa formations), western North America. *Geology*.
2. **Evans, J.E.**, 2022 (under revision). Sedimentary mélange and synsedimentary slump folds in the Early Devonian Whitsand Bay Formation (Dartmouth Group), southwest Devon, U.K.: Evidence of a shelf-edge deltaic complex. *Sedimentology*.
3. Dunkel, C.A.*, Vázquez-Ortega, A. and **J.E. Evans**, 2022. Black shale-gray shale transitions in a Late Devonian shale succession, Central Appalachian Basin (northern Ohio): Sedimentary and geochemical evidence for terrestrial organic matter input driving anoxia events. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **608**, 15 December 2022, 111271, <https://doi.org/10.1016/j.palaeo.2022.111271>.
4. **Evans, J.E.**, 2022. Stratigraphy, age, and provenance of the Eocene Chumstick basin, Washington Cascades: implications for paleogeography, regional tectonics, and development of strike-slip basins: Comment. *Geological Society of America Bulletin*, **134**(7-8): 2167-2171, <https://doi.org/10.1130/B36157.1> . [1]
5. Hicks, J.L.* and **J.E. Evans**, 2022. Oxbow lakes as geologic archives of historical changes in channel substrate, Swan Creek, Toledo, Ohio (U.S.A.). *Open Journal of Modern Hydrology*, **12**(2): 32-54, <https://doi.org/10.4236/ojmh.2022.122003>. [1]
6. Larson, M.D.*, A.S. Milas, R.K. Vincent, and **J.E. Evans**, 2021. Landsat 8 monitoring of multi-depth suspended sediment concentrations in Lake Erie's Maumee River using machine learning. *International Journal of Remote Sensing*, **42**(11): 4064-4086, <https://doi.org/10.1080/01431161.2021.1890268> [7]
7. **Evans, J.E.**, J. Maurer*, and C.S. Holm-Denoma, 2019. Recognition and significance of Late Devonian fluvial, estuarine, and mixed siliciclastic-carbonate nearshore marine facies in the San Juan Mountains (southwestern Colorado, U.S.A.): Multiple incised valleys backfilled by lowstand and transgressive system tracts. *Geosphere*, **15**: 1-29, <https://doi.org/10.1130/GE02085.1> [3]
8. Potucek, M.J.* and **J.E. Evans**, 2019. Avulsion dynamics in a river with alternating bedrock and alluvial reaches, Huron River, northern Ohio (U.S.A.) *Open Journal of Modern Hydrology*, **9**(1): 20-39, <https://doi.org/10.4236/ojmh.2019.91002> [1]
9. Bellmore, J.R., G.R. Pess, J.J. Duda, J.E. O'Connor, A. E. East, M.M. Foley, A.C. Wilcox, J.J. Major, P.B. Shafroth, S.S. Morley, C.S. Magirl, C.W. Anderson, **J.E. Evans**, C.E. Torgersen, L.S. Craig, 2019. Conceptualizing ecological responses to dam removal: If you remove it, what's to come? *BioScience*, **69**(1): 26-39, <https://doi.org/10.1093/biosci/biy152> [77]
10. Larson, M., A.S. Milas, R.K. Vincent, and **J.E. Evans**, 2018. Multi-depth suspended sediment estimation using high resolution remote sensing UAV in Maumee River, Ohio.

- International Journal of Remote Sensing*, <https://doi.org/10.1080/01431161.2018.1465616> , 18 p. [40]
11. **Evans, J.E.** and C.S. Holm-Denoma, 2018. Processes and facies relationships in a Lower(?) Devonian rocky shoreline depositional environment, East Lime Creek Conglomerate, southwestern Colorado, U.S.A. *The Depositional Record*, **4**(1), 133-156, <https://doi.org/10.1002/dep2.41> [3]
 12. Foley, M.M., J.R. Bellmore, J.E. O'Connor, J.J. Duda, A.E. East, G.E. Grant, C.W. Anderson, J.A. Bountry, M.J. Collins, P.J. Connolly, L.S. Craig, **J.E. Evans**, S.L. Greene, F.J. Magilligan, C.S. Magirl, J.J. Major, G.R. Pess, T.J. Randle, P.B. Shafroth, C.E. Torgersen, D. Tullos, and A.C. Wilcox, 2017. Dam removal—Listening in. *Water Resources Research*, **53**: 5229-5246, <https://doi.org/10.1002/2017WR020457> [152]
 13. Foley, M.M., F.J. Magilligan, C.E. Torgersen, J.J. Major, C.W. Anderson, P.J. Connolly, D. Wieferrich, P.B. Shafroth, **J.E. Evans**, D. Infante, and L. Craig, 2017. Landscape context and the biophysical response of rivers to dam removal in the United States. *PLoS One*, **12**(7), 24 p., <https://doi.org/10.1371/journal.pone.0180107> [41]
 14. **Evans, J.E.**, 2016. Fluvial environments. In: *Encyclopedia of Engineering Geology* (P.T. Bobrowsky and B. Marker, eds.), Springer-Meteor Press, Earth Science Series, https://doi.org/10.1007/978-3-319-12127-7_129-1 [6]
 15. **Evans, J.E.**, 2015. Contaminated sediment and dam removals: problem or opportunity? *EOS, Transactions of the American Geophysical Union*, 1 November 2015, **96** (20): 12-17, <https://doi.org/10.1029/2015E0036385> [10]
 16. Webb, L.D.* and **J.E. Evans**, 2015. Sediment budget approach to understanding historical stages of the Ottawa River in the context of land-use change, northwestern Ohio and southeastern Michigan. *The Anthropocene*, **7**:42-56, <https://doi.org/10.1016/j.ancene.2015.03.05> [7]
 17. **Evans, J.E.** and M. Soreghan, 2015. Long-distance sediment transport and episodic re-sedimentation of Pennsylvanian dust (eolian silt) in cave passages of the Mississippian Leadville Limestone, southwest Colorado, U.S.A. In: *Caves and Karst Across Time* (J. Feinberg, Y. Gao, and E.C. Alexander, eds.), Geological Society of America, Special Paper **516**: 263-284, [https://doi.org/10.1130/2015.2516\(21\)](https://doi.org/10.1130/2015.2516(21)) [15]
 18. Alshahrani, S* and **J.E. Evans**, 2014. Shallow-water origin of a Devonian black shale, Cleveland Shale Member (Ohio Shale), northeastern Ohio, U.S.A. *Open Journal of Geology*, **4**: 636-653, <https://doi.org/10.4236/ojg.2014.412048> [6]
 19. Harris, N.* and **J.E. Evans**, 2014. Channel evolution of sandy reservoir sediments following low-head dam removal, Ottawa River, northwestern Ohio, U.S.A. *Open Journal of Modern Hydrology*, **4**(2): 44-56, <https://doi.org/10.4236/ojmh.2014.42004> [17]
 20. **Evans, J.E.**, N. Harris*, and L.D. Webb*, 2013. The shortcomings of “passive” urban river restoration after low-head dam removal, Ottawa River (northwestern Ohio, U.S.A.): What the sedimentary record can teach us. In *The Challenges of Dam Removals and River Restoration* (J. V. DeGraff and **J.E. Evans**, eds.), Geological Society of America Reviews in Engineering Geology, **21**:161-182, [https://doi.org/10.1130/2013.4021\(13\)](https://doi.org/10.1130/2013.4021(13)) [6]
 21. DeGraff, J.V. and **J.E. Evans**, 2013. Preface. In *The Challenges of Dam Removals and River Restoration* (J. V. DeGraff and **J.E. Evans**, eds.), Geological Society of America Reviews in Engineering Geology, **21**:2-3, [https://doi.org/10.1130/2013.4021\(13\)](https://doi.org/10.1130/2013.4021(13)) [5]
 22. Saeed, A.* and **J.E. Evans**, 2012. Subsurface facies analysis of the Late Cambrian Mt. Simon Sandstone in western Ohio (Midcontinent, North America). *Open Journal of Geology*, **2**:35-47, <https://doi.org/10.4236/ojg.2012.22004> [11]

23. **Evans, J.E.** and A. Clark*, 2010. Re-interpreting Great Lakes shorelines as components of wave-influenced deltas: An example from the Portage River, Lake Erie, Ohio. *Journal of Great Lakes Research*, **37**(1):64-77, <https://doi.org/10.1016/j.jglr.2012.10.002> [6]
24. **Evans, J.E.**, 2010. The Chiwaukum structural low: Cenozoic shortening of the central Cascade Range, Washington state, U.S.A. [COMMENT]. *Geological Society of America Bulletin*, **122**(11/12):2097-2102, <https://doi.org/10.1130/B30152.1> [7]
25. **Evans, J.E.** and N. Harris*, 2008. Preliminary study of the sediment impacts of the 2007 removal of the Secor dam (Ottawa River, Ohio). *Conference Proceedings, 16th National Nonpoint Source Monitoring Workshop*, U.S. Environmental Protection Agency/Ohio Environmental Protection Agency/Ohio State University Extension, Columbus, Ohio, September 14-18, 2008, p. 57-58. [2]
26. **Evans, J.E.**, 2007. Sediment impacts of the 1994 failure of IVEX Dam (Chagrin River, Northeastern Ohio): a test of channel evolution models. *Journal of Great Lakes Research*, **33**(2):90-102, [https://doi.org/10.3394/0380-1330\(2007\)33\[90:SIOTFO\]2.0.CO;2](https://doi.org/10.3394/0380-1330(2007)33[90:SIOTFO]2.0.CO;2) [33]
27. Gottgens, J.F. and **J.E. Evans**, 2007. Dam removals and river channel changes in Northern Ohio: Implications for Lake Erie Sediment Budgets and Water Quality. *Journal of Great Lakes Research* **33**(2):87-89, [https://doi.org/10.3394/0380-1330\(2007\)33\[90:DRARCC\]2.0.CO;2](https://doi.org/10.3394/0380-1330(2007)33[90:DRARCC]2.0.CO;2) [8]
28. **Evans, J.E.** and J.F. Gottgens, 2007. Contaminant stratigraphy of the Ballville Reservoir, Sandusky River, northwestern Ohio. *Journal of Great Lakes Research*, **33**(2):182-193, [https://doi.org/10.3394/0380-1330\(2007\)33\[182:CSOTBR\]2.0.CO;2](https://doi.org/10.3394/0380-1330(2007)33[182:CSOTBR]2.0.CO;2) [31]
29. Murphy, R.P.*, E. Gomezdelcampo, and **J.E. Evans**, 2007. Using pre-existing channel substrates to determine the effectiveness of best management practices, Sandusky River, Ohio. *Journal of Great Lakes Research*, **33**(2):167-181, [https://doi.org/10.3394/0380-1330\(2007\)33\[167:UPCSTD\]2.0.CO;2](https://doi.org/10.3394/0380-1330(2007)33[167:UPCSTD]2.0.CO;2) [4]
30. **Evans, J.E.**, J.M. Huxley*, and R.K. Vincent, 2007. Upstream channel changes following dam construction and removal, using a GIS/remote sensing approach. *Journal of the American Water Resources Association*, **43**(3):683-697, <https://doi.org/10.1111/j.1752-1688.2007.00055> [53]
31. Roberts, S.J., J.F. Gottgens, A.L. Spongberg, **J.E. Evans**, and N.S. Levine, 2007. Assessing potential removal of low-head dams in urban settings: An example from the Ottawa River, NW Ohio. *Environmental Management*, **39**(1):113-124, <https://doi.org/10.1007/s00267-005-0091-8> [40]
32. **Evans, J.E.** and J.M. Reed*, 2007. Integrated loessite-paleokarst depositional system, early Pennsylvanian Molas Formation, Paradox Basin, southwestern Colorado, U.S.A. *Sedimentary Geology*, **195**(3-4):161-181, <https://doi.org/10.1016/j.sedgeo.2006.07.010> [35]
33. **Evans, J.E.** and J.M. Reed*, 2006. Pennsylvanian fluvial cave sediments in the Mississippian Leadville Limestone, southwestern Colorado, U.S.A. *Mountain Geologist*, **43**(4):283-297. [5]
34. **Evans, J.E.**, 2003. The environmental trade-off of dams, dam removals, and river restoration, in *Pennsylvanian Sharon Formation, Past and Present: Sedimentology, Hydrology, Historical, and Environmental Significance* (A.M. Foos, editor), Ohio Geological Survey Guidebook **18**:48-53. [3]
35. **Evans, J.E.**, 2003. The Early Pennsylvanian Sharon Formation of Northeastern Ohio, U.S.A., in *Pennsylvanian Sharon Formation, Past and Present: Sedimentology, Hydrology, Historical, and Environmental Significance* (A.M. Foos, editor), Ohio Geological Survey Guidebook **18**: 6-12. [4]
36. Foos, A.M., N.A. Wells, **J.E. Evans**, J.T. Hannibal, and D.A. Waugh, 2003. *Pennsylvanian Sharon Formation, Past and Present: Sedimentology, Hydrology, Historical, and*

- Environmental Significance*. Ohio Geological Survey, Guidebook **18**, Columbus, Ohio, 67 p. 13 plates. [5]
37. **Evans, J.E.**, N.S. Levine, S.J. Roberts, J.F. Gottgens, and D.M. Newman*, 2002. Assessment using GIS and sediment routing of the proposed removal of Ballville Dam, Sandusky River, Ohio. *Journal of the American Water Resources Association* **38**(6):1549-1565, <https://doi.org/10.1111/j.1752-1688.2002.tb04364.X> [59]
 38. Ninke, D.J.* and **J.E. Evans**, 2002. Alluvial architecture of the Early Pennsylvanian Sharon Formation in northeastern Ohio. *Ohio Journal of Science* **102**(4):70-81. [4]
 39. **Evans, J.E.**, 2002. Re-interpretation of unconformities in the Hermosa Formation near Coal Bank Pass, SW Colorado. *The Mountain Geologist* **39**(1):1-15. [6]
 40. Dawson, S.A.* and **J.E. Evans**, 2001. Controls over mass wasting processes in glacial till bluffs along the coastline of Lake Erie. *Environmental Geosciences* **8**(1):1-10, <https://doi.org/10.1046/j.1526-0984.2001.008001001.X> [20]
 41. **Evans, J.E.**, J.F. Gottgens, W.M. Gill*, and S.D. Mackey, 2000. Sediment yields controlled by intrabasinal storage and sediment conveyance over the interval 1842-1994: Chagrin River, northeast Ohio, U.S.A. *Journal of Soil and Water Conservation* **55**(3):264-270. [48]
 42. **Evans, J.E.**, S.D. Mackey, J.F. Gottgens, and W.M. Gill*, 2000. Lessons from a dam failure. *Ohio Journal of Science* **100**(4):121-131. [122]
 43. **Evans, J.E.** and F.J. Tokar*, 2000. Use of SEM/EDS and X-ray diffraction analyses for sand transport studies of Lake Erie, Ohio. *Journal of Coastal Research* **16**(3): 790-797. [15]
 44. **Evans, J.E.**, 2000. Lacustrine facies in an Eocene wrench-fault step-over basin, Cascade Range, Washington, U.S.A. In: *Lake Basins in Space and Time* (E. Gierlowski-Kordesch and K. Kelts, editors). Tulsa: American Association of Petroleum Geologists, Studies in Geology **46**:359-368. [1]
 45. **Evans, J.E.** and L.C. Welzenbach*, 2000. Lacustrine limestones and tufas in the Chadron Formation (Late Eocene), Badlands of South Dakota, U.S.A. In: *Lake Basins in Space and Time* (E. Gierlowski-Kordesch and K. Kelts, editors). Tulsa: American Association of Petroleum Geologists, Studies in Geology **46**:349-358. [3]
 46. **Evans, J.E.**, S.D. Mackey, J.F. Gottgens, and W.M. Gill*, 2000. From reservoir to wetland: The rise and fall of an Ohio Dam. In: *The Earth Around Us* (J. Schneiderman, editor). San Francisco: W.H. Freeman Press, p. 256-267. [5]
 47. **Evans, J.E.**, 1999. Recognition and implications of Eocene tufas and travertines in the Chadron Formation, White River Group, Badlands of South Dakota, U.S.A. *Sedimentology* **46**:771-789, <https://doi.org/10.1046/j.1365-3091.1999.00250.X> [67]
 48. **Evans, J.E.** and L.C. Welzenbach*, 1998. Episodes of carbonate deposition in a siliciclastic-dominated fluvial sequence, Eocene-Oligocene White River Group, South Dakota and Nebraska, U.S.A. In: *Depositional Environments, Lithostratigraphy, and Biostratigraphy of the White River and Arikaree Groups (Late Eocene to Early Miocene, North America)* (D.O. Terry, Jr., H.E. LaGarry, and R.M. Hunt, Jr., editors), Geological Society of America, Special Paper **325**:93-116, <https://doi.org/10.1130/0-8137-2325-6.93> [21]
 49. **Evans, J.E.**, 1998. Facies associations of freshwater carbonates in the Eocene-Oligocene Chadron Formation, White River Group, Nebraska and South Dakota, in *Modern and Ancient Lakes* (J.K. Pittman and A. Carroll, editors), Utah Geological Association, Guidebook **26**:209-231. [4]
 50. **Evans, J.E.**, 1998. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *Oceanographic Literature Review* **7**(45): 1146 [2]
 51. Millner, E.* and **J.E. Evans**, 1997. Diagenesis in the Locketong Formation (Upper Triassic), central part of the Newark basin, Pennsylvania. *The Compass* **73**:45-59. [0]

52. **Evans, J.E.**, 1997. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *The Compass* **73**:60-83. [4]
53. **Evans, J.E.** and D.E. Seamon*, 1997. A GIS model to calculate sediment yields from a small rural watershed, Old Woman Creek, Ohio. *Ohio Journal of Science* **97**:44-52. [20]
54. Bates, J.K.* and **J.E. Evans**, 1996. Evaluation of wellhead protection area delineation methods, applied to the municipal well field at Elmore, Ottawa County, Ohio. *Ohio Journal of Science* **96**:13-22. [11]
55. **Evans, J.E.**, 1996. Depositional history of the Eocene Chumstick Formation: Implications of tectonic partitioning for the history of the Leavenworth and Entiat-Eagle Creek fault systems, Washington [REPLY]. *Tectonics* **15**:510-514, <https://doi.org/10.1029/94TC01321> [2]
56. **Evans, J.E.**, 1994. Depositional history of the Eocene Chumstick Formation: Implications of tectonic partitioning for the history of the Leavenworth and Entiat-Eagle Creek fault systems, Washington. *Tectonics* **13**:1425-1444, <https://doi.org/10.1029/94TC01321> [45]
57. **Evans, J.E.**, 1994. A course in Geology and Public Policy. *Journal of Geological Education* **42**:10-16. [3]
58. **Evans, J.E.** and J.R. Ristow, Jr.*, 1994. Depositional history of the southeastern outcrop belt of the Chuckanut Formation: implications for the Darrington-Devils Mountain and Straight Creek fault zones, Washington (U.S.A.). *Canadian Journal of Earth Sciences* **31**:1727-1743, <https://doi.org/10.1139/e94-154> [21]
59. **Evans, J.E.**, 1994. Tectonics and sedimentation of the Chumstick Formation, central Washington state, in *Epithermal Gold Mineralization, Wenatchee and Liberty Districts, Washington* (J. Margolis, editor), Society of Economic Geologists, Guidebook **20**:18-30. [1]
60. **Evans, J.E.** and D.O. Terry, Jr.*, 1994. The significance of incision and fluvial sedimentation in the basal White River Group (Eocene-Oligocene), Badlands of South Dakota. *Sedimentary Geology* **90**:137-152. [49]
61. Terry, D.O., Jr.* and **J.E. Evans**, 1994. Pedogenesis and paleoclimatic implications of the Chamberlain Pass Formation, basal White River group, Badlands of South Dakota. *Palaeogeography, Palaeoclimatology, Palaeoecology* **110**:197-215, [https://doi.org/10.1016/0031-0182\(94\)90084-1](https://doi.org/10.1016/0031-0182(94)90084-1) [49]
62. Tokar, F.J., Jr.* and **J.E. Evans**, 1993. Implications of hummocky stratified sandstone in the Pictured Cliffs Sandstone (Late Cretaceous) near Durango, Colorado. *Ohio Journal of Science* **93**:83-89. [5]
63. **Evans, J.E.**, 1991. Paleoclimatology and paleobotany of the Eocene Chumstick Formation, Cascade Range, Washington (U.S.A.): A rapidly subsiding alluvial basin. *Palaeogeography, Palaeoclimatology, Palaeoecology* **88**:239-264, [https://doi.org/10.1016/0031-0182\(91\)90068-3](https://doi.org/10.1016/0031-0182(91)90068-3) [11]
64. **Evans, J.E.**, 1991. Facies relationships, alluvial architecture, and paleohydrology of a Paleogene, humid-tropical alluvial-fan system: Chumstick Formation, Washington state (U.S.A.). *Journal of Sedimentary Petrology* **61**:732-755, <https://doi.org/10.1306/D42677C1-2B26-11D7-8648000102C1865D> [85]
65. **Evans, J.E.**, 1991. Research grant proposals as a class writing assignment in a graduate-level geology course. *Journal of Geological Education* **39**:221-223, <https://doi.org/10.5408/0022-1368-39.3.221> [10]
66. **Evans, J.E.** and S.Y. Johnson, 1989. Paleogene strike-slip basins of central Washington: Swauk Formation and Chumstick Formation, in *Geologic Guidebook for Washington and Adjacent Areas* (N.L. Johnson and others, editors), Washington Division of Geology and Earth Resources, Information Circular **86**:213-237. [27]

67. Johnson, T.C., **J.E. Evans**, and S.J. Eisenreich, 1982. Total organic carbon in Lake Superior sediments: comparison with hemipelagic and pelagic marine environments. *Limnology and Oceanography* **27**:481-491, <https://doi.org/10.4319/10.1982.3.0481> [82]
68. **Evans, J.E.**, T.C. Johnson, E.C. Alexander, Jr. and R.S. Lively, 1981. Sedimentation rates and depositional processes in Lake Superior using ^{210}Pb geochronology. *Journal of Great Lakes Research* **7**:299-310, [https://doi.org/10.1016/50380-1330\(81\)72058-6](https://doi.org/10.1016/50380-1330(81)72058-6) [76]
69. Johnson, T.C., T. Carlson, and **J.E. Evans**, 1980. Contourites in Lake Superior. *Geology* **8**:437-441, [https://doi.org/10.1130/0091-7613\(1980\)8<437:CILS>2.0.CO;2](https://doi.org/10.1130/0091-7613(1980)8<437:CILS>2.0.CO;2) [34]
70. Eisenreich, S.J., G. Hollod, T.C. Johnson, and **J.E. Evans**, 1979. Polychlorinated biphenyl and other microcontaminant-sediment interactions in Lake Superior, in *Contaminants in Sediments* (R.A. Baker, editor). Ann Arbor, Michigan: Ann Arbor Science Publishing Company, p. 67-94. [32]

Papers in Preparation (* indicates student authors)

1. **Evans, J.E.**, M. Laneville*, and B. Banjade*. Cambrian mixed siliciclastic and carbonate transgressive shoreline environments in Ohio (U.S.A.): subsurface facies analysis of the Eau Claire, Conasauga, and Kerbel formations. *Open Journal of Geology*.
2. **Evans, J.E.**, M.P. Shah*, and N.E. Chuks*. Cambrian deltaic depositional system on an extensive carbonate platform, Rose Run Sandstone (Knox Group), Ohio (U.S.A.). *Open Journal of Geology*.

Theses and Dissertation [number of citations as of 7-20-2022]

1. **Evans, J.E.**, 1988. Depositional environments, basin evolution, and tectonic significance of the Eocene Chumstick Formation, Cascade Range, Washington. Ph. D. Dissertation, University of Washington, Seattle, Washington, 325 p. [15]
2. **Evans, J.E.**, 1980. ^{210}Pb geochronology in lake Superior sediments: sedimentation rates, organic carbon deposition, sedimentary environments, and post-depositional processes. M.S. Thesis, University of Minnesota, Minneapolis, Minnesota, 130 p. [10]

Non-Refereed Publications (* indicates student authors) [number of citations as of 11-17-2022]

1. **Evans, J.E.** and N.R. Harris*, 2009. Summary of Ottawa River Sediment Transport Study. In: M. Horvat, editor, *Final Report of the Ottawa River Dam Removal and Stream Restoration Project (OEPA Project #06(h)EPA-10)*. Toledo: Toledo Metropolitan Area Council of Governments, p. 6-18.
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Supervised Graduate Student Master's Thesis Projects [number of citations as of 7-20-2022]

1. Dale A. Kramer, 1990. *Provenance of the Late Miocene Sedimentary Rocks, Viti Levu Island, Fiji, South Pacific: Navosa, Nadi, and Ra Sedimentary Groups* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 119 pp.
 2. Dennis O. Terry, 1991. *Study and comparative pedogenesis of sediments from the White River Group, South Dakota* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 126 pp.
 3. Elizabeth Millner, 1991. *Early diagenesis of the Upper Triassic Lockatong Formation, Newark Basin, Pennsylvania and New Jersey* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 85 pp.
 4. Linda C. Welzenbach, 1992. *Limestones in the lower White River Group (Eocene-Oligocene), Badlands of South Dakota: Depositional environment and paleoclimatic implications* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 131 pp.
 5. Robert J. Ristow, Jr., 1992. *Depositional environments and provenance of the Chuckanut Formation (Eocene) in the vicinity of Barlow Pass, North Cascade Range, Washington* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 149 pp.
 6. Frank J. Tokar, Jr., 1993. *Determination of sediment transport with the use of natural tracers along the south shore of Lake Erie, Heidelberg Beach, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 105 pp.
 7. D. Erich Seamon, 1994. *A Model for soil erosion rates and sediment yields that utilizes geographic information systems (GIS), from Old Woman Creek watershed, north-central Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 78 pp.
 8. Jeffrey K. Bates, 1994. *Application and evaluation of wellhead-protection area delineation methods applied to the municipal wells at Elmore, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 139 pp.
 9. David K. Ninke, 1995. *Using facies relationships, alluvial architectural-element analysis, and paleohydraulic reconstructions to determine evolutionary changes in the Sharon depositional basin* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 84 pp.
 10. William M. Gill III, 1996. *Flood history and reservoir stratigraphy of a man-made impoundment, Chagrin River, Ohio: Relationship of sediment yield to historical changes in land use* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 148 pp.
 11. Barbara J. Goodrich, 1996. *Determining provenance of Lake Erie sand grains using grain surface textures in the Chagrin River watershed* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 154 pp.
 12. Scott A. Dawson, 1997. *Lithological study of glacial till bluffs at Painesville-on-the-Lake to determine possible geological cause of erosion problems in the area* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 182 p.
 13. Jason Reed, 2000. *The Pennsylvanian Molas Formation of southwestern Colorado: Evaluation of the underlying paleokarst surface, previous terra rossa explanations, and diagenetic reddening* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 121 p.
 14. Michael E. Matthews, 2001. *Depositional environment of the Late Devonian-Early Mississippian Spechtly Kopf Formation of northeastern Pennsylvania* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 129 p.
 15. Aram Saeed, 2002. *Subsurface facies analysis of the Cambrian Mt. Simon Sandstone in western Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 167 p.
- [6]

16. Jennifer Huxley, 2004. *Use of historical aerial photography sets to determine changes in bedform migration rates and directions over an interval spanning construction and removal of a low-head dam, Huron River, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 222 p.
17. Justin Richardson, 2005. *Assessing the preservation potential of biogenic features in pre-Neogene tufas and travertines—Applications to exobiology* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 110 p.
18. David M. VanDeVelde, 2006. *Interpretation of the depositional environment and paleoclimate of dinosaur sites, brushy Basin member of the Jurassic Morrison Formation, east-central Utah* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 177 p.
19. Andrew Clark, 2008. *Lake Erie Holocene coastal evolution near the Portage River—Catawba Island, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 224 p. [1]
20. Nathan Harris, 2008. *Sedimentological response of the 2007 removal of a low-head dam, Ottawa River, Toledo, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 228 p. [5]
21. Nwaodua Emmanuel Chuks, 2008. *Subsurface facies analysis of the Rose Run Sandstone Formation in southeastern Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 113 p. [3]
22. Zachery P. Mueller, 2008. *Feasibility study of removing the Grand Rapids—Providence dams, Maumee River (NW Ohio), based on HEC-RAS models* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 239 p. [5]
23. Colleen O’Shea, 2009. *Influence of volcanic processes on fluvial sedimentation in the McDermott Member of the Animas Formation in southwestern Colorado* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 90 p.
24. Laura Webb, 2010. *Historical changes in the geomorphology of the Ottawa River (NW Ohio, U.S.A.), due to urbanization and land clearance* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 169 p. [2]
25. Senthil Yuvaraj, 2010. *Use of architectural-element analysis to interpret the depositional environment and reservoir characteristics of the Pictured Cliffs Sandstone (Cretaceous), northern San Juan Basin, Colorado* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 145 p.
26. Bharat Banjade, 2011. *Subsurface Facies Analysis of the Cambrian Conasauga Formation and Kerbel Formation in East-Central Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 156 p. [8]
27. Mary Faw, 2012. *A Pedogenic approach to classification of paleo-histosols* [M.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 106 p. [1]
28. Joshua T. Maurer, 2012. *Reinterpretation of the Ignacio and Elbert Formations as an Incised Valley Sequence Using Facies Analysis and Sequence Stratigraphy; San Juan basin, Southwest Colorado* [M.S. Thesis]: Bowling Green State University, Bowling Green, 172 p. [4]
29. Scott Huck, 2013. *Controls on Natural Fractures in the Upper Lexington Limestone and Point Pleasant Formations, central Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 121 p.
30. Mihir Shah, 2013. *Reservoir Compartmentalization of the Cambrian Rose Run Formation, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 138 p.

31. Saeed Al-shahrani, 2013. *Facies Analysis of the Devonian Cleveland Shale Member, Ohio Shale, Northeastern Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 180 p. [7]
32. Will Garnes, 2014. *Subsurface facies analysis of the Mississippian Berea Sandstone in southeastern Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 161 p. [1]
33. Craig Stouten, 2014. *Subsurface facies analysis of the Clinton Sandstone located in Perry, Fairfield, and Vinton Counties, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 166 p.
34. Mark Potucek, 2017. *Channel change processes and rates in a mixed alluvial-bedrock river, Huron River, north-central Ohio (U.S.A.)* [M.S. Thesis]: Bowling Green State University, Bowling Green, 209 p. [1]
35. Jocelyn Hicks, 2017. *Oxbow lakes as geological archives of historical changes in channel substrates: Swan Creek Metropark, Toledo, Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 167 p.
36. Michael Laneville, 2018, *Subsurface depositional systems analysis of the Cambrian Eau Claire Formation in western Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 177 p.
37. Ashan Mustafa, 2019. *Integrated subsurface study on lithofacies and diagenetic controls over porosity distribution in the Upper Ordovician Trenton Limestone in northwestern Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 165 p.
38. Zachary M.K. Cotter, 2020. *Depositional controls of a Guelph Formation pinnacle reef debris apron and their effect on reservoir quality: A case study from northern Michigan* [M.S. Thesis]: Bowling Green State University, Bowling Green, 205 p.
39. Carolyn Aubrey Dunkel, 2020. *Controlling variables in the transition from a non-organic-rich marine shale to an organic-rich marine shale, Devonian, north-central Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, 134 p. [1]

Supervised Undergraduate Thesis Projects

1. Frank J. Tokar, 1993, *Depositional environment of the Pictured Cliffs Sandstone, Durango, Colorado* [B.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 25 p.
2. Luke Walker, 1994, *Provenance of beach sand from Trinidad and Tobago* [B.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 22 p.
3. Drue Roberts, 1998, *Origin of the Chenier Plain, Catawba Island, Ohio* [B.A. Thesis]: Bowling Green State University, Bowling Green, Ohio.
4. Paul Valdez, 2004, *Use of sedimentological and paleontological evidence to interpret the depositional setting of the rock units contained within the Carlile Shale and Niobrara Formation of the Huerfano Park Area, Huerfano County, Colorado* [B.S. Honors Thesis]: Bowling Green State University, Bowling Green, Ohio, 48 p.
5. Nathaniel S. Demiter, 2007, *Variability in suspended sediment concentration in the Ottawa River, at the Secor Dam, Ottawa Hills, Ohio* [B.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 31 p.
6. Heather Kish, 2016, *Sedimentology of a meander bend, Swan Creek MetroPark, Toledo, Ohio* [B.S. Honors Thesis]: Bowling Green State University, Ohio, 28 p.

Undergraduate Teaching Assignments

Introductory Geology (GEOL 1000)
 Earth Environments (GEOL 1040)
 Sedimentology & Stratigraphy (GEOL 3160)
 Surface Water Hydrology (GEOL 4450/5450)
 Groundwater Hydrology (GEOL 4460/5460)
 Geology & Public Policy (GEOL 4800)
 Geology Field Camp (GEOL 4930/4940)
 Geology Research (GEOL 4990)

Graduate Teaching Assignments

Sedimentary Environments (GEOL 6230)
 Sedimentary Basin Analysis (GEOL 6450)
 Sedimentary Structures (GEOL 6460)
 Sediment Transport Mechanics (GEOL 6470)
 Geology & Public Policy (GEOL 6800)
 Soil Science Seminar (GEOL 6840)
 Geology Field Camp (GEOL 6930)
 Geology Research (GEOL 6990)

Service to the University, College, School, and Department

1. BGSU Faculty Senate—
 - a. Chair of the Faculty Senate (2001-2002).
 - b. Vice Chair/Chair-Elect of the Faculty Senate (2000-2001).
 - c. Member of the Faculty Senate (1995-2002, 2008-2011, 2015-2018).
2. Faculty Senate Committees—
 - a. Senate Executive Committee (1997-2002, 2008-2011). Chair (2001-2002).
 - b. Faculty Senate Budget Committee (2003-2009). Chair (2006-2009).
 - c. Committee-on-Committees (2000-2001, 2008-2011). Chair (2000-2001).
 - d. Faculty Personnel & Conciliation Committee (1996-2001). Conciliator (1999), Hearing Board Chair (2001), Faculty Advisor (2002, 2003).
 - e. Committee of Professional Affairs (2002-2008). Chair (2003-2004). State House Legislative Visits (2001, 2002, 2003, 2004, 2007, 2009, 2010, 2012).
 - f. President's Panel (2000-2002, 2004-2006).
3. University Committees—
 - a. Honors College, College Council (2016-2018)
 - b. Arts & Sciences Dean Search Committee (2013-2014).
 - c. Health, Wellness, and Insurance Committee (2010-2012).
 - d. Faculty Research Committee (2003-2006).
 - e. Program Review Committee (2002-2004).
 - f. Parking Committee (2003-2006).
 - g. Graduate Council (2002-2003).
 - h. Academic Honesty Committee (1997-2002).
 - i. Intercollegiate Athletics Committee (1997-2002)
 - j. Telecommunications Advisory Committee (1991-1992).
 - k. Honors & Awards Committee (1990-1991).
4. Other Significant University Responsibilities—
 - a. Contract Administration & Grievance Officer, Bowling Green State University Faculty Association (2013-2014).
 - b. Negotiating Team for Collective Bargaining Agreement (2011-2013)
 - c. BGSU-FA Representative in Discipline Case (2012).
 - d. Implementation Committee for Undergraduate Curriculum Reform (2010-2011).
 - e. President's Strategic Planning Committee (2009-2010).
 - f. VPAA/Provost's Committee for Environmental Sustainability (2001-2003).
 - g. VPSA Student Services Task Force (1994-1995).
 - h. General Education Advisory Group (1994-1995).

5. School of Earth, Environment, and Society (SEES)—
 - a. Promotion-Tenure Committee (2009-2015).
 - b. Director Search Committee (2005-2006, 2010-2011).
 - c. Faculty Search Committee (2016).
 - d. Curriculum Committee (2016-2018).
 - e. Ombudsman (2017-2018).
6. Department of Geology—
 - a. Graduate Advisor (1993-1994, 2002-2003).
 - b. Undergraduate Advisor (1996-2002, 2015-2018).
 - c. Ombudsman (2018-2019).
 - d. Curriculum Committee (1993-1994, 1996-2003, 2015-2018).
 - e. Promotion-Tenure Committee (1995-2001, 2005-2009, 2012-2014).
 - f. Merit Committee (1990-1995, 2009-2012).
 - g. Honors & Awards Committee (1989-1995).
 - h. Equipment, Facilities, & Space Committee (1994-1995, 2002-2005).
 - i. Faculty Search Committees (1992, 1993, 1994, 1996, 1998, 1999, 2007).
 - j. Chair Search Committees (1992, 2011, 2015).
 - k. Visiting Speaker Program Coordinator (1989-1994).

Service to the Profession (Officer, Committee Member, or Special Role)

1. *American Geophysical Union (AGU)*—
 - a. Participant, Congressional Visit Days (2019, 2020).
 - b. Member, Task Force on Public Policy Statements (2013-2017).
 - c. Chair, Task Force on Congressional Science Fellowships (2013-2017).
 - d. Member, Committee on Outreach & Strategic Communications (2011-2012).
 - e. Member, Committee on Professional Affairs (2008-2010).
 - f. Convener, Special Session on Dam Removals and River Restoration, Annual Meeting (2010).
2. *Geological Society of America (GSA)*—
 - a. Honorary Fellow (1997).
 - b. Congressional Science Fellow (1987-1988).
 - c. Member, Research Grants Committee (2008-2011).
 - d. Member, Committee on Geology & Public Policy (1989-1992, 1997-2001). Chair 1999-2000).
 - e. Participant/Organizer, Congressional Visit Days (1998, 1999, 2000).
 - f. Editor, *The Challenges of Dam Removals and River Restoration*, Reviews in Engineering Geology, Volume 21, Geological Society of America, 2010-2012.
 - g. Convener, Theme Session on Dam Removals in the Great Lakes Watershed, North-Central Section Meeting, Akron (2006).
 - h. Field Trip Leader, North-Central Section Meeting, Akron, Ohio (2006).
 - i. Field Trip Leader, Annual Meeting, Seattle, Washington (2003).
 - j. Convener, Special Session on Dam Removals and Public Policy, Annual Meeting, Reno, Nevada (2000).
 - k. Field Trip Leader, Cordilleran Section Meeting, Spokane, Washington (1989).
 - l. Campus Representative (1989-2015).
3. *American Association of Petroleum Geologists (AAPG)*—
 - a. Member, Membership Committee, Eastern section (1995-2001).
 - b. AAPG Distinguished Visiting Lecturer Coordinator (1989-2013).

- c. Campus Representative (1989-2013).
- 4. *American Association for the Advancement of Science (AAAS)*—
 - a. Panel Reviewer, Congressional Science Fellowship Program (2007-2019).
- 5. *Sigma Xi, Scientific Research Society of North America*—
 - a. President, BGSU Chapter (1997-1998).
 - b. Vice President, BGSU Chapter (1996-1997).
 - c. Secretary, BGSU Chapter (1994-1996).
- 6. *Ohio Academy of Sciences (OAS)*—
 - a. Honorary Fellow (1998).
 - b. Judge, Student Research Competition (1995-1996).
- 7. *Ohio Dam Safety Organization (ODSO)*—
 - a. Vice President (2007-2008).
 - b. Member, Executive Board (2006-2009).
- 8. Federal Government Agencies—
 - a. Participant, Working Group on Dam Removal: Synthesis of Ecological and Physical Responses. John Wesley Powell Center for Analysis and Synthesis, *U.S. Geological Survey* (2014-2016).
 - b. Participant, Geologic Resource Inventory, Cuyahoga Valley National Park, *National Park Service* (2009-2010).
 - c. Author, Annual Investigator Reports, Badlands National Park, *National Park Service* (1994, 1995, 1996, 1997, 1998).
 - d. Member, Selection Panel for EPA STAR Fellowships, *U.S. Environmental Protection Agency* (2007-2009).
- 9. State and Local Government Agencies—
 - a. Member, External Working Group for Lake Erie Shoreline Erosion Management Plan, *Ohio Department of Natural Resources* (2007-2013).
 - b. Member, Project Team for Ballville Dam removal, Sandusky River, Fremont, Ohio (2008-2011).
 - c. Member, Project Team for Secor Dam removal, Ottawa River, Toledo, Ohio (2002-2008).
 - d. Member, Ottawa River Remedial Action Planning Committee (2004-2006).
 - e. Member, Soil Erosion Task Force, *Wood County Soil and Water Conservation District* (1995-1996).
- 10. Grant Reviewer—
 - a. *National Science Foundation* (1992, 1994, 1999, 2000, 2001, 2002, 2002, 2005, 2006, 2007, 2007, 2007, 2009, 2009, 2010, 2010, 2012, 2013, 2022).
 - b. *American Chemical Society/Petroleum Research Fund* (1990, 1990, 2002).
 - c. *Ohio University Foundation* (2000).
 - d. *Los Alamos National Laboratory* (2002).
 - e. *Leuven University (The Netherlands)* (2005).
 - f. *Chesapeake Bay Trust* (2017).
 - g. *Israel Science Foundation* (2022).
- 11. Textbook or Book Reviewer—
 - a. *Principles of Sedimentology & Stratigraphy*, Prentice-Hall (2003).
 - b. *Earth: Portrait of a Planet*, Norton Press (1997).
 - c. *The Dynamic Earth*, John Wiley & Sons (1993).
 - d. *Focus on Earth Science*, Merrill Press (1990).
 - e. *The Badlands One Hundred Years Ago* (2022).

12. Journal Article Reviewer—

- a. *American Association of Petroleum Geologists Bulletin* (2009, 2011, 2017).
- b. *Anthropocene Coasts* (2022).
- c. *Canadian Journal of Earth Sciences* (2015)
- d. *Catena* (2006, 2009, 2015).
- e. *Earth Surface Processes & Landforms* (2003).
- f. *Environmental and Engineering Geoscience* (2009).
- g. *Environmental Monitoring and Assessment* (2012).
- h. *Environmental Pollution* (2017).
- i. *Environmental Practice* (2015).
- j. *Geological Society of America Bulletin* (2017).
- k. *Geological Society of America, Field Trip Guidebook* (2017).
- l. *Geological Society of America, Special Paper* (1995, 2013).
- m. *Geology* (2009, 2019).
- n. *Geology Today* (2016).
- o. *Journal of the American Water Resources Association* (2001, 2001, 2005, 2006).
- p. *Journal of African Earth Sciences* (2019)
- q. *Journal of Environmental Management* (1999, 2008).
- r. *Journal of Geology* (2016).
- s. *Journal of the Geological Society of India* (2002, 2002).
- t. *Journal of Great Lakes Research* (2010).
- u. *Journal of Hydrology* (2004, 2005, 2006, 2009).
- v. *Journal of Sedimentary Research* (1998, 2000, 2000).
- w. *Journal of Soil & Water Conservation* (1998, 2002, 2003, 2003).
- x. *Journal of South American Earth Sciences* (2005).
- y. *Ohio Journal of Science* (1989, 1994, 1999, 2021).
- z. *Open Journal of Geology* (2017).
- aa. *Palaeogeography, Palaeoclimatology, Palaeoecology* (1996).
- bb. *Rocky Mountain Geologist* (2015).
- cc. *Sedimentary Geology* (1995, 2013).
- dd. *Sedimentology* (1992, 1993, 1993, 1998).
- ee. *SEPM Special Publication* (1997).
- ff. *Tectonics* (1994).
- gg. *Tectonophysics* (2012).

Collaborative Research Partners:

United States Geological Survey (numerous individuals)
 University of Toledo
 University of Oklahoma
 Ohio Geological Survey
 Ohio Environmental Protection Agency
 Toledo Metropolitan Area Council of Governments
 University of Plymouth (U.K.)
 Old Woman Creek National Estuarine Research Reserve
 Badlands National Park
 Wind Cave National Park
 South Dakota School of Mines
 Washington Division of Geology and Earth Resources.

Consultantships (Paid and *Pro Bono*)

- Member, Science Advisory Panel, Resources Legacy Fund, William & Flora Hewlett Foundation (2018).
- Consultant, Flood protection of Blanchard River and Findlay, Ohio (2015).
- Expert Witness, Case involving PCB Contamination in the Lower Fox River, Wisconsin (2009-2014).
- Consultant, Oak Openings Metropark dam safety and removal (2013-2014).
- Expert Witness, Case involving surface water hydrology modifications in Williams & Defiance Counties, Ohio (2009-2010).
- Consultant, Flood protection of an archaeological site, Connecticut (2009).
- Consultant, Sedimentological evaluation of an archaeology site, Quebec (2005).
- Expert Witness, Case involving the cause of surface water pollution on the Sandusky River (2000-2001).
- Consultant, Boeing Aerospace Company (1994-1995).
- Consultant, Shell Oil Company (1985-1987).
- Consultant, Atlantic-Richfield Oil Company (1985-1987).

Community Service

- City of Bowling Green, Ohio: Climate Action Plan Committee (2022).
- City of Bowling Green, Ohio: Proposal to spend American Rescue Plan Act (ARPA) funding to develop municipal water well field (2022).
- Speaker, Toledo MetroParks Research Symposium (2017).
- Participant, Public Hearing about Ballville Dam Removal (2016).
- Speaker, BGSU Memorial Service for the Victims of September 11, 2001 (on National Day of Remembrance, September 14, 2001): 7,000 attendees and live television coverage.
- Presenter, TMACOG Dam Removal & Site Mitigation Workshop (2008).
- Presenter, conference for U.S. Congressional Staff and local government officials for the BGSU Center for Policy Analysis and Public Service (1999-2003).
- Participant/Organizer, visits to Ohio State House in Columbus, Ohio (2001- 2012).
- Presenter, Perrysburg Public Library speaker series (2015).
- Presenter, earth science talks in Bowling Green Public Schools (numerous occasions).
- Presenter, Sandusky River Days (1995).
- Presenter, Public Hearings about the Ottawa Dam Removal (2005-2006).
- Numerous newspaper reporter, television, or radio interviews associated with proposed removals of the Ballville Dam, the Secor Dam, the Buckeye Lake Dam, and others.