James E. Evans

CURRICULUM VITAE 2020

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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: 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, *magma cum laude*, 1976, Carleton College, Minnesota.

Professional Experience

2019-now	*Emeritus* 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, 7th District of Washington State, United States House of Representatives.

Significant Professional Recognitions

- College of Arts & Sciences Distinguished Lecturer (2019).
- Science Advisory Panel, Resource Legacy Fund, William & Flora Hewlett Foundation (2018).
- Contract & Grievance Officer, Bowling Green State University Faculty Association (2013-14)
- 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 (2000-2001).
- Distinguished Service Awards, Geological Society of America (2011, 2001, 1992).
- Honorary Fellow, Ohio Academy of Sciences (1998).
- Honorary Fellow, Geological Society of America (1997).
- Chair, Committee on Geology & Public Policy, Geological Society of America (1999-2000).
- 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

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.
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.

Refereed Publications (* indicates student authors)

1. **Evans, J.E.** and C.S. Holm-Denoma, 2020 (in submission). Far traveled, eolian dust signature in Mississippian paleocave sediments (Leadville, Madison, and Pahasapa formations), western North America. *Geology*.
2. Larson, M.D., A.S. Milas, R.K. Vincent, and **J.E. Evans**, 2020 (in submission). Landsat 8 monitoring of multi-depth suspended sediment concentrations in Lake Erie's Maumee River using machine learning. *International Journal of Remote Sensing*.
3. **Evans, J.E.,** 2020 (under review). 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.*
4. **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, doi: 10.1130/GE02085.1.
5. 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, doi: 10.4236/ojmh.2019.91002.
6. 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, doi: 10.1093/biosci/biy152.
7. Larson, M., A. Simic-Milas, R.V. 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*, doi:10.1080/01431161.2018.1465616, 18 p.
8. **Evans, J.E.** and C.S. Holm-Denoma, 2018. Processes and facies relationships in an Early(?) Devonian rocky shoreline depositional environment, East Lime Creek Conglomerate, south-western Colorado, U.S.A. *The Depositional Record*, **4**(1), 133-156, doi: 10.1002/dep2.41.
9. 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, doi: 10.1002/2017WR020457.
10. Foley, M.M., F.J. Magilligan, C.E. Torgersen, J.J. Major, C.W. Anderson, P.J. Connolly, D. Wieferich, 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., doi: 10.1371/journal.pone.0180107.

11. **Evans, J.E.**, 2016. Fluvial environments. In: *Encyclopedia of Engineering Geology* (P.T. Bobrowsky and B. Marker, eds.), Springer-Meteor Press, Earth Science Series, doi: 10.1007/978-3-319-12127-7_129-1.
12. **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, doi: 10.1029/2015E0036385.
13. 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, doi: 10.1016/j.ancene.2015.03.05.
14. **Evans, J.E.** and M. Soreghan, 2015. Long-distance sediment transport and episodic resedimentation 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, doi: 10.1130/2015.2516(21).
15. 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, doi: 10.4236/ojg.2014.412048.
16. 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, doi: 10.4236/ojmh.2014.42004.
17. **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, doi:10.1130/2013.4021(13).
18. 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, doi:10.1130/2013.4021(13).
19. 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, doi:10.4236/ojg.2012.22004.
20. **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, doi:10.1016/j.jglr.2012.10.002.
21. **Evans, J.E.**, 2010. Comment on "The Chiwaukum structural low: Cenozoic shortening of the central Cascade Range, Washington state, U.S.A." *Geological Society of America Bulletin*, **122**(11/12):2097-2102, doi:10.1130/B30152.1.
22. **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.
23. **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, doi: 10.3394/0380-1330(2007)33[90:SIOTFO]2.0.CO;2.
24. 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, doi: 10,3394/0380-1330(2007)33[90:DRARCC]2.0.CO;2.

25. **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, doi: 10.3394/0380-1330(2007)33[182:CSOTBR]2.0.CO;2.
26. 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, doi: 10.3394/0380-1330(2007)33[167:UPCSTD]2.0.CO;2.
27. **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, doi:10.1111/j.1752-1688.2007.00055
28. 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, doi:10.1007/s00267-005-0091-8.
29. **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, doi: 10.1016/j.sedgeo.2006.07.010.
30. **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.
31. **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.
32. **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.
33. **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, doi: 10.1111/j.1752-1688.2002.tb04364.X.
34. 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.
35. **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.
36. 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, doi: 10.1046/j.1526-0984.2001.008001001.X.
37. **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.
38. **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.
39. **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.
40. **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.

41. **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.
42. **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.
43. **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, doi: 10.1046/j.1365-3091.1999.00250.X.
44. **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, doi: 10.1130/0-8137-2325-6.93.
45. **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.
46. Millner, E.* and **J.E. Evans**, 1997. Diagenesis in the Lockatong Formation (Upper Triassic), central part of the Newark basin, Pennsylvania. *The Compass* **73**:45-59.
47. **Evans, J.E.**, 1997. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *The Compass* **73**:60-83.
48. **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.
49. 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.
50. **Evans, J.E.**, 1996. Reply to Comment on "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* **15**:510-514, doi: 10.1029/94TC01321.
51. **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, doi: 10.1029/94TC01321.
52. **Evans, J.E**., 1994. A course in Geology and Public Policy. *Journal of Geological Education* **42**:10-16.
53. **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, doi: 10.1139/e94-154.
54. **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.
55. **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.

56. 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, doi: 10.1016/0031-0182(94)90084-1.
57. 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.
58. **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, doi: 10.1016/0031-0182(91)90068-3.
59. **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, doi: 10.1306/D42677C1-2B26-11D7-8648000102C1865D.
60. **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, doi: 10.5408/0022-1368-39.3.221.
61. **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.
62. 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, doi: 10.4319/10.1982.3.0481.
63. **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, doi: 10.1016/50380-1330(81)72058-6.
64. Johnson, T.C., T. Carlson, and **J.E. Evans**, 1980. Contourites in Lake Superior. *Geology* **8**:437-441, doi: 10.1130/0091-7613(1980)8<437:CILS>2.0.CO;2.
65. 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.

Papers in Preparation (* indicates student authors)

1. **Evans, J.E.** Provenance and paleocurrent evidence constraining uplift history of the Black Hills, west-central U.S.A.
2. Dunkel, C* and **J.E. Evans**. Causes of Devonian black-gray shale transitions in the Ohio Shale, Appalachian Basin, Ohio, U.S.A.
3. Hicks, J.* and **J.E. Evans**. Oxbow lakes as geologic archives for changes in channel substrate in an urbanized river, Swan Creek, northwestern Ohio, U.S.A. *The Anthropocene.*
4. **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*.
5. **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*.

Published Government and Contract Reports (* indicates student authors)

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.
2. Gottgens, J.F., **J.E. Evans**, N.S. Levine, S.J. Roberts, and A.L. Spongberg, 2004. *Dam Removal in the Ottawa River, Ohio: A Feasibility Study*. Final Report to the Ohio Department of Natural Resources, Office of Coastal Management, 72 p.
3. Clark, L.J., J.K. Bates*, and **J.E. Evans**, 1993. Delineation of wellhead protection areas, potential pollution source inventory, and recommendations for a management plan. In: *Elmore, Ohio, Wellhead Protection Plan*. Toledo: Toledo Area Metropolitan Council of Governments, **Element 90.82**, 65 p.
4. **Evans, J.E.** and R.J. Ristow*, 1990. *Sedimentology and stratigraphic relationships of Tertiary sedimentary units within the Sauk 1:100,000 U.S.G.S. Quadrangle Map*. Olympia: Washington Division of Geology and Earth Resources, **Open-File Report**, 70 p. and 1 map.

Refereed Abstracts (* indicates student authors)

1. Bellmore, Ryan, G. Pess, J. Duda, J. O'Connor, A. East, M. Foley, A. Wilcox, J. Major, P. Shafroth, S. Morley, C. Magirl, C. Anderson, **J.E. Evans**, C. Torgersen, and L. Craig, 2019. If you remove it, what's to come: Predicting ecological outcomes of removing dams and reconnecting rivers. *American Fisheries Society—Wildlife Society Joint Annual Conference*.
2. Cotter, Z.M.K.* and **J.E. Evans**, 2019. A high-resolution characterization study of a Silurian pinnacle reef: Insights into reservoir quality and compartmentalization with implications for CO_2-driven EOR and gas storage. *AAPG Annual Meeting*.
3. Cotter, Z.M.K.* and **J.E. Evans**, 2018. Resolving predictable reservoir behavior in heterogeneous carbonates using integrated rock typing methods: A field-scale case study of a Michigan Basin Silurian-aged Niagaran brown reef. *AAPG Eastern Section Annual Meeting*.
4. Pess, G.R., J.R. Bellmore, J.J. Duda, J.E. O'Connor, A.E. East, M.M. Foley, J.J. Major, P.B. Shafroth, C.S. Magirl, C.W. Anderson, C.E. Torgersen, A.C. Wilcox, J.E. Evans, and L. Craig, 2017. Ecosystem response to dam removal: a synthesis. *Ecological Society of America, Annual Meeting, Abstracts.*
5. Foley, M.M., F.J. Magilligan, C.E. Torgersen, J.J. Major, C.W. Anderson, P.J. Connolly, D.J. Wieferich, P.B. Shafroth, **J.E. Evans**, D.M. Infante, L.S. Craig, and J.J. Duda, 2017. Landscape context and the biophysical response of rivers to dam removals in the United States. *Ecological Society of America, Annual Meeting, Abstracts.*
6. Potucek, M.* and **J.E. Evans**, 2017. Avulsion processes and rates in a mixed alluvial-bedrock river, Huron River, north-central Ohio (U.S.A.). *Geological Society of America, Abstracts with Programs,* **49**(2), doi: 10.1130/abs/2017NE-290493.
7. Hicks, J.L.* and **J.E. Evans**, 2017. Oxbow lakes as geological archives of historical changes in channel substrate, Swan Creek, Toledo, Ohio (U.S.A.). *Geological Society of America, Abstracts with Programs,* **49**(2), doi: 10.1130/abs/2017NE-290759.
8. Laneville, M.W.* and **J.E. Evans**, 2017. Middle Cambrian tidally-influenced siliciclastic shelf deposits, western Ohio (U.S.A.): Subsurface facies analysis of the Eau Claire Formation and Conasauga Formation. *Geological Society of America, Abstracts with Programs,* **49**(2), doi: 10.1130/abs/2017NE-290703.

9. **Evans, J.E.**, 2017. River restoration: The secret past lives of rivers in NW Ohio. *Toledo Metroparks Forum on Local Natural History and Research*.
10. Magilligan, F.J., M.M. Foley, C. Torgersen, J.J. Major, C. Anderson, P. Connolly, P. Shafroth, and **J.E. Evans**, 2016. Assessing the ecological and geomorphic context of dam removals in the U.S. *American Geophysical Union, Annual Meeting, Abstracts Volume.*
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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.

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.
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.
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 Cotter, in progress, 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, xx p.
39. Sydney Huskey, in progress, 2020. *Geomorphic assessment of large wood debris (LWD) loadings in mixed bedrock-alluvial rivers, north-central Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, xx p.
40. Carolyn Aubrey Dunkel, in progress, 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, xx p.
41. James Cyrus Morgan, in progress, 2020. *Surface and subsurface depositional systems analysis of the Late Devonian Berea Sandstone, northeastern Ohio* [M.S. Thesis]: Bowling Green State University, Bowling Green, xx p.

Supervised Undergraduate Thesis Projects

1. 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.
2. 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.
3. Drue Roberts, 1998, *Origin of the Chenier Plain, Catawba Island, Ohio* [B.A. Thesis]: Bowling Green State University, Bowling Green, Ohio.
4. Luke Walker, 1994, *Provenance of beach sand from Trinidad and Tobago* [B.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 22 p.
5. Frank J. Tokar, 1993, *Depositional environment of the Pictured Cliffs Sandstone near Durango, Colorado* [B.S. Thesis]: Bowling Green State University, Bowling Green, Ohio, 25 p.
6. Heather Kish, 2016, *Sedimentology of a meander bend, Swan Creek MetroPark, Toledo, Ohio* [B.S. Thesis]: Bowling Green State University, Ohio.

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

1. *American Geophysical Union* (AGU)—
    a. Task Force on Public Policy Statements (2013-2017).
    b. Task Force on Congressional Science Fellowships (Chair, 2013-2017).
    c. Committee on Outreach & Strategic Communications (2011-2012).
    d. Committee on Professional Affairs (2008-2010).
    e. 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. Research Grants Committee (2008-2011).
    d. Committee on Geology & Public Policy (1989-1992, 1997-2001). Chair 1999-2000). Congressional Visit Days (1998, 1999, 2000).
    e. Editor, *The Challenges of Dam Removals and River Restoration*, Reviews in Engineering Geology, Volume 21, Geological Society of America, 2010-2012.
    f. Convener, Theme Session on Dam Removals in the Great Lakes Watershed, North-Central Section Meeting, Akron (2006).
    g. Field Trip Leader, North-Central Section Meeting, Akron (2006).
    h. Field Trip Leader, Annual Meeting, Seattle (2003).
    i. Convener, Special Session on Dam removals and Public Policy, Annual Meeting, Reno (2000).
    j. Field Trip Leader, Cordilleran Section Meeting, Spokane (1989).
    k. Campus Representative (1989-2015).
3. *American Association of Petroleum Geologists* (AAPG)—
    a. 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 for 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. Student Research Competition Judging (1995-1996).
7. *Ohio Dam Safety Organization* (ODSO)—
    a. Vice President (2007-2008).
    b. Executive Board (2006-2009).
8. Federal Government Agencies—
    a. 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. Geologic Resource Inventory, Cuyahoga Valley National Park, *National Park Service* (2009-2010).

c. Annual Investigator Reports, Badlands National Park, *National Park Service* (1994, 1995, 1996, 1997, 1998).
d. Selection Panel for EPA STAR Fellowships, *U.S. Environmental Protection Agency* (2007-2009).

9. State and Local Government Agencies—
   a. External Working Group for Lake Erie Shoreline Erosion Management Plan, *Ohio Department of Natural Resources* (2007-2013).
   b. Project Team for Ballville Dam removal, Sandusky River, Fremont, Ohio (2008-2011).
   c. Project Team for Secor Dam removal, Ottawa River, Toledo, Ohio (2002-2008).
   d. Ottawa River Remedial Action Planning Committee (2004-2006).
   e. 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).
   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).
11. Textbook 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).
12. Journal Article Reviewer—
   a. *American Association of Petroleum Geologists Bulletin* (2009, 2011, 2017).
   b. *Canadian Journal of Earth Sciences* (2015)
   c. *Catena* (2006, 2009, 2015).
   d. *Earth Surface Processes & Landforms* (2003).
   e. *Environmental and Engineering Geoscience* (2009).
   f. *Environmental Monitoring and Assessment* (2012).
   g. *Environmental Pollution* (2017).
   h. *Environmental Practice* (2015).
   i. *Geological Society of America Bulletin* (2017).
   j. *Geological Society of America, Field Trip Guidebook* (2017).
   k. *Geological Society of America, Special Paper* (1995, 2013).
   l. *Geology* (2009).
   m. *Geology Today* (2016).
   n. *Journal of the American Water Resources Association* (2001, 2001, 2005, 2006).
   o. *Journal of African Earth Sciences* (2019)
   p. *Journal of Environmental Management* (1999, 2008).
   q. *Journal of Geology* (2016).
   r. *Journal of the Geological Society of India* (2002, 2002).
   s. *Journal of Great Lakes Research* (2010).
   t. *Journal of Hydrology* (2004, 2005, 2006, 2009).
   u. *Journal of Sedimentary Research* (1998, 2000, 2000).

v. *Journal of Soil & Water Conservation* (1998, 2002, 2003, 2003).
w. *Journal of South American Earth Sciences* (2005).
x. *Ohio Journal of Science* (1989, 1994, 1999).
y. *Open Journal of Geology* (2017).
z. *Palaeogeography, Palaeoclimatology, Palaeoecology* (1996).
aa. *Rocky Mountain Geologist* (2015).
bb. *Sedimentary Geology* (1995, 2013).
cc. *Sedimentology* (1992, 1993, 1993, 1998).
dd. *SEPM Special Publication* (1997).
ee. *Tectonics* (1994).
ff. *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)*

- 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).