

James E. Evans
CURRICULUM VITA 2011

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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, *magna cum laude*, 1976, Carleton College, Minnesota.

Professional Experience

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

Significant Professional Recognitions

- Nominated for BGSU Master Teacher Award (2010, 1990).
- BGSU Faculty Distinguished Service Award (2008).
- Vice Chair, Ohio Dam Safety Organization (2007-2008).
- Chair of the BGSU Faculty Senate (2001-2002). Vice-Chair (2000-2001).
- Distinguished Service Award, Geological Society of America (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).
- President, BGSU Chapter of *Sigma Xi, Scientific Research Society of North America* (1997-1998). Vice Chair (1996-1997). Secretary (1994-1995).
- 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).

Refereed Publications (* indicates student authors)

1. Harris, N.* and **J.E. Evans**, submitted 2011. Sediment impacts of removal of a low-head dam on a sand bedload river, Ottawa River, Ohio. *Journal of the American Water Resources Association*.
2. Webb, L.D.* and **J.E. Evans**, submitted 2011. Four-phase land-use history in rapidly urbanizing watershed in NW Ohio, U.S.A. *Geology*.
3. **Evans, J.E.**, N. Harris*, and L.D. Webb*, under review 2010. Importance of paleohydrologic analysis to guide river restoration after dam removal, Ottawa River, N.W. Ohio, in *The Challenges of Dam Removals* (J. DeGraff and **J.E. Evans**, eds.), Reviews in Engineering Geology Special Publication.
4. Saeed, A.* and **J.E. Evans**, under review 2010. Subsurface facies analysis of the Late Cambrian Mt. Simon Sandstone in western Ohio (Midcontinent, North America). *Ohio Journal of Science*.
5. **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).
6. **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.
7. **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.
8. **Evans, J.E.**, 2007. Sediment impacts of the 1994 failure of IVEX Dam (Chagrin River, Northeastern Ohio), as a case study in dam removals. *Journal of Great Lakes Research*, **33**(2): 90-102.
9. 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.
10. **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.
11. 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.
12. **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.
13. Roberts, S.J., J.F. Gottgens, A.L. Spongberg, **J.E. Evans**, and N.S. Levine, 2007. Integrated approach to assessing potential dam removals: An example from the Ottawa River, NW Ohio. *Environmental Management*, **39**(1): 113-124.
14. **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.
15. **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.

16. **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.
17. **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.
18. **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.
19. 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.
20. **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.
21. 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.
22. **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.
23. **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.
24. **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.
25. **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.
26. **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.
27. **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.
28. **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.
29. **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.
30. **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.
31. 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.
 32. **Evans, J.E.**, 1997. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *The Compass* **73**: 60-83.
 33. **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.
 34. 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.
 35. **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.
 36. **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.
 37. **Evans, J.E.**, 1994. A course in Geology and Public Policy. *Journal of Geological Education* **41**: 10-16.
 38. **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.
 39. **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.
 40. **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.
 41. 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.
 42. 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.
 43. **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.
 44. **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.
 45. **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.
 46. **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.

47. 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.
48. **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.
49. Johnson, T.C., T. Carlson, and **J.E. Evans**, 1980. Contourites in Lake Superior. *Geology* **8**: 437-441.
50. 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

1. **Evans, J.E.** Pre-Devonian high-energy marine shoreline deposits of southwestern Colorado. *Mountain Geologist*.
2. **Evans, J.E.** Reinterpretation of the Devonian Dartmouth Group of SW England as a shelf-margin deltaic sequence. *Sedimentary Geology*.
3. O'Shea, C. and **J.E. Evans**. Volcanic-influenced fluvial sedimentation in the McDermott Member, Animas Formation (Cretaceous), SW Colorado, U.S.A. *Mountain Geologist*.
4. **Evans, J.E.**, Late Eocene unroofing of the Black Hills uplift.
5. Chuks, Emmanuel Nwaodua* and **J.E. Evans**, Subsurface facies analysis of the Rose Run Sandstone, east-central Ohio.
6. Mueller, Z.* and **J.E. Evans**, Feasibility study for the removal of the Grand Rapids-Providence dams, Maumee River, Ohio.
7. Vandavelde, D.* and **J.E. Evans**, Sedimentology of the Morrison Formation at some significant dinosaur sites, east-central Utah.
8. Richardson, J.* and **J.E. Evans**, Preservation potential of biological microstructures in ancient tufas and travertines.
9. Faw, M.* and **J.E. Evans**, A field-based, pedogenic classification of paleo-histosols.

Government Reports (* indicates student authors)

1. **Evans, J.E.** and N.R. Harris*, 2009, Summary of Ottawa River Sediment Transport Study, in M. Horvat, Ed., *Final Report of the Ottawa River Dam removal and Stream Restoration Project (OEPA Project #06(h)EPA-10)*, 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: *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. Washington Division of Geology and Earth Resources, *Open-File Report*, 70 p. and 1 map.

Refereed Abstracts (* indicates student authors)

1. Maurer, J.T.* and **J.E. Evans**, 2011. Reinterpretation of the Devonian Ignacio Formation and Elbert Formation as an Incised Valley Sequence, San Juan basin, Colorado. *Geological Society of America, Abstracts with Programs*, **43**(1).
2. Banjade, Bharat* and **J.E. Evans**, 2011. Subsurface facies analysis of the Cambrian Upper Conasauga Group and Kerbel Formation in East-Central Ohio. *Geological Society of America, Abstracts with Programs*, **43**(1).
3. Yuvaraj, S.V.* and **J.E. Evans**, 2011, Tidal and deltaic influence in storm-dominated prograding shoreline deposits of the Pictured Cliffs Sandstone, northern San Juan basin— Implications towards reservoir characterization. *AAPG Annual Meeting Abstracts*.
4. **Evans, J.E.**, N. Harris*, and L.D. Webb*, 2010. The importance of paleohydrologic analysis to guide river restoration after dam removal, Ottawa River, NW Ohio. *American Geophysical Union, Fall Annual Meeting, Abstract Volume*.
5. Soreghan, G.S., M.J. Soreghan, G.E. Gehrels, M.A. Hamilton, P.K. Link, C. Fanning, **J.E. Evans**, and G.A. Augsburger, 2010. Using Ancient Dust to Track Atmospheric Circulation and Orogenesis in Western Equatorial Pangaea. *American Geophysical Union, Fall Annual Meeting, Abstract Volume*.
6. Soreghan, M.J., G.S. Soreghan, G.E. Gehrels, M.A. Hamilton, P.K. Link, M.C. Fanning, **J.E. Evans**, and G.A. Augsburger, 2010. Paleoclimatic and paleotectonic evolution of Western Pangaea inferred from Upper Paleozoic loessite deposits. *Geological Society of America, Abstracts with Programs*, **42**(6).
7. Webb, L.D.* and **J.E. Evans**, 2010. OSL geochronology reveals high rates of floodplain aggradation during suburbanization of the Ottawa River watershed, NW Ohio, USA. *Geological Society of America, Abstracts with Programs*, **42**(6).
8. Yuvaraj, S.V.* and **J.E. Evans**, 2010. Sequence stratigraphic approach on a prograding shoreline sequence. *AAPG/SEG Student Expo, Abstract Volume*.
9. Yuvaraj, S.V.* and **J.E. Evans**, 2010. Implications of repetitive, vertical stacking of prograding shoreline deposits of Cretaceous Pictured Cliffs Sandstone, Northern San Juan Basin. *Geological Society of America, Abstracts with Programs* **42**(2): 90.
10. Webb, L.D.* and **J.E. Evans**, 2010. Historical changes in the geomorphology of the Ottawa River (NW Ohio, U.S.A.) due to urbanization and land clearance. *Geological Society of America, Abstracts with Programs* **42**(2): 43.
11. O'Shea, C.R.* and **J.E. Evans**, 2009. Volcanic influence over fluvial sedimentation in the Cretaceous McDermott Member, Animas Formation, Southwestern Colorado. *Geological Society of America, Abstracts with Programs* **41**(4): 64-65.
12. Adams, A.S. * and **J.E. Evans**, 2009. Historical changes in the Huron River (Ohio): A partially bedrock-controlled river. *Geological Society of America, Abstracts with Programs* **41**(4): 68.
13. Harris, N.* and **J.E. Evans**, 2008. Sedimentological response of the 2007 removal of a low-head dam, Ottawa River, Toledo, Ohio. *Geological Society of America, Abstracts with Programs*, **40**(2): 17.
14. Clark, A.* and **J.E. Evans**, 2008. Lake Erie Holocene coastal evolution near the Portage River-Catawba Island, Ohio. *Geological Society of America, Abstracts with Programs*, **40**(2): 64.
15. Nwaodua, E.C.* and **J.E. Evans**, 2008. Subsurface facies analysis of the Rose Run Sandstone Formation in southeastern Ohio. *AAPG/SEG Student Expo, Abstract Volume*.

16. Ganesh Neupane and **J.E. Evans**, 2008. Engineering geology and geotechnical study of the Upper Hewa Khola hydroelectric project, Pachthar, Nepal. *AAPG/SEG Student Expo, Abstract Volume*.
17. **Evans, J.E.** and J.F. Gottgens, 2007. Legacy sediments in the Ballville Reservoir, Sandusky River, Northwestern Ohio. *Water Management Association of Ohio, Abstract Volume*.
18. **Evans, J.E.**, 2007. Precambrian high-energy, marine siliciclastic shoreline deposits in the San Juan Mountains, SW Colorado, U.S.A. *Geological Society of America, Abstracts with Programs*, **39**(6): 505.
19. Faw, M.E.* and **J.E. Evans**, 2007. A field-based classification for coals and their underlying deposits. *Geological Society of America, Abstracts with Programs*, **39**(6): 504.
20. **Evans, J.E.**, 2006. Pennsylvanian fluvial cave sediments, phreatic tubes, and breakout domes in the Mississippian Leadville Limestone, SW Colorado, USA. *Geological Society of America, Abstracts with Programs*, **38**(7): 518.
21. **Evans, J.E.**, 2006. Case study of a dewatered reservoir: 1994 failure of IVEX dam, Chagrin River, NE Ohio. *Geological Society of America, Abstracts with Programs*, **38**(4): 19.
22. **Evans, J.E.**, J.M. Huxley*, and R.K. Vincent, 2006. Historical changes in channel sinuosity upstream of a low-head dam, Huron River, north-central Ohio. *Geological Society of America, Abstracts with Programs*, **38**(4): 20.
23. Vandeveld, D.M.*, **J.E. Evans**, and S.A. Lewandowski, 2006. Paleosols as climate indicators for dinosaur sites, Brushy Basin member of the Jurassic Morrison Formation, east-central Utah. *Geological Society of America, Abstracts with Programs*, **38**(4): 63.
24. Gottgens, J.F., S.J. Roberts, **J.E. Evans**, A.L. Spongberg, and N.S. Levine, 2006. Assessing potential removal of low-head dams in urban settings: a case study from the Ottawa River, NW Ohio. *International Association for Great Lakes Research, Abstract Volume*.
25. **Evans, J.E.**, 2005. Re-interpretation of the Early Devonian Dartmouth Group: A tidally-influenced, muddy shelf sequence, southwest England, U.K. *Geological Society of America, Abstracts with Programs* **37**(7): A310.
26. **Evans, J.E.** and J.M. Huxley*, 2005. Response of upstream sand and gravel bars to the construction and subsequent removal of a low-head dam, Coho Dam, Huron River, Ohio. *Geological Society of America, Abstracts with Programs* **37**(7): A328-329.
27. Vandeveld, D.M.*, **J.E. Evans**, and S.A. Lewandowski, 2005. Interpretation of the depositional environment of dinosaur sites, Brushy Basin Member of the Jurassic Morrison Formation, east-central Utah. *Geological Society of America, Abstracts with Programs* **37**(7): A140.
28. Richardson, J.R.*, **J.E. Evans**, and M.M. Yacobucci, 2004. Assessing the preservation potential of biogenic features in pre-Quaternary tufas and travertines—applications to exobiology. *Geological Society of America, Abstracts with Programs* **36**(5): 475.
29. **Evans, J.E.**, 2004. The emerging science of dam removals: case studies from four dams in northern Ohio, U.S.A. *32nd International Geological Congress, Florence, Italy*.
30. Saeed, A.* and **J.E. Evans**, 2004. Cambrian Mt. Simon Sandstone (MSS)—Basal Sauk sequence in western Ohio. *Annual Meeting of the Ohio Geological Society*.
31. Gottgens, J.F., A.L. Spongberg, **J.E. Evans**, S.J. Roberts, and N.S. Levine, 2004. Dam removal in the Ottawa River, Ohio, U.S.A.: a feasibility study. *International Wetlands Conference, Abstract Volume*.
32. Huxley, J.M.*, **J.E. Evans**, and R.K. Vincent, 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. *Annual Meeting of the American Society of Floodplain Managers, Abstract Volume*.

33. Saeed, A.* and **J.E. Evans**, 2003. Basal Sauk sequence in the subsurface of Ohio-- Mt. Simon Sandstone. *Geological Society of America, Abstracts with Programs* **35**(6): A336.
34. Roberts, S.J., N.S. Levine, and **J.E. Evans**, 2003. Integrating LiDAR, GIS, and HEC-RAS modeling to determine the effect of dam removal on flooding and sediment transport along the Ottawa River, Toledo, Ohio. *Geological Society of America, Abstracts with Programs* **35**(6): A314.
35. **Evans, J.E.**, 2002. Reservoir assessment methods and sediment routing applied to several proposed dam removals in Ohio. *Water Management Association of Ohio, Abstract Volume*.
36. Saeed, A.* and **J.E. Evans**, 2002. Subsurface facies analysis of the Cambrian Mt. Simon Sandstone in western Ohio. *American Association of Petroleum Geologists, Abstract Volume*.
37. Levine, N.L. and **J.E. Evans**, 2001. The use of practical projects in inquiry-based learning in environmental science. *Geological Society of America, Abstracts with Programs* **33**(4): A43.
38. Matthews, M.E.* and **J.E. Evans**, 2001. Depositional environment of the Devonian-Mississippian Spechty Kopf Formation. *Geological Society of America, Abstracts with Programs* **33**(4): A41.
39. **Evans, J.E.** and J.M. Reed*, 2000. Modification of Mississippian paleokarst (Leadville Limestone) by infiltration of Pennsylvanian loess (Molas Formation), Paradox Basin, southwest Colorado. *Geological Society of America, Abstracts with Programs* **32**(7): A255.
40. **Evans, J.E.** and J.M. Reed*, 1999. Reinterpretation of the Pennsylvanian Molas Formation (San Juan Basin) as a loessite, not as a terra rossa paleosol. *Geological Society of America, Abstracts with Programs* **31**(7): A160.
41. Reed, J.M.* and **J.E. Evans**, 1999. Diagenetic reddening of the Molas Formation (San Juan Basin): Infiltration features in a Pennsylvanian loessite. *Geological Society of America, Abstracts with Programs* **31**(7): A281.
42. Ninke, D.J.* and **J.E. Evans**, 1999. Sedimentology and alluvial architecture of the Pennsylvanian Sharon Formation, Pottsville Group, in northeastern Ohio. *International Association for Great Lakes Research, Abstracts Volume*, A-85.
43. Roberts, D.E.* and **J.E. Evans**, 1998. Origin of Holocene beach ridges on Catawba Island, Ohio shoreline of Lake Erie. *Geological Society of America, Abstracts with Programs* **30**(2): A68-A69.
44. Dawson, S.A.* and **J.E. Evans**, 1998. Causes of different mass wasting processes in glacial till bluffs, Lake Erie shoreline near Painesville, Ohio. *Geological Society of America, Abstracts with Programs* **30**(2): A13.
45. **Evans, J.E.**, 1998. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *Oceanographic Literature Review* **45**(7): 1146.
46. **Evans, J.E.**, W.M. Gill*, A.D. Svitana*, and J.F. Gottgens, 1997. Use of reservoir data from two impoundments in Ohio to reconstruct post-settlement land-use changes. *Geological Society of America, Abstracts with Programs* **29**(7): A176.
47. **Evans, J.E.**, W.M. Gill*, A.D. Svitana*, and J.F. Gottgens, 1997. Flood histories reconstructed from sedimentary data from two reservoirs in northern Ohio. *Ohio Journal of Science* **97**: A40.
48. Dawson, S.A.* and **J.E. Evans**, 1997. Differential erosion rates in glacial tills at Painesville-on-the-Lake, Ohio. *Ohio Journal of Science* **97**: A40.
49. **Evans, J.E.**, 1996. Sedimentary evidence for Late Eocene unroofing of the Black Hills uplift. *Geological Society of America, Abstracts with Programs* **28**(7): A373.
50. **Evans, J.E.**, 1995. Episodes of carbonate deposition in a siliciclastic-dominated fluvial sequence, Eocene-Oligocene White River Group, South Dakota, U.S.A. *First International Limnogeology Congress, Abstracts Volume*, A36.

51. **Evans, J.E.**, 1995. Recognition of humid-region fans in the ancient record: an Eocene example from the Pacific Northwest. *Society for Sedimentary Geology (SEPM) Field Research Conference on Alluvial Fans, Abstracts Volume*, A41.
52. **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. *Geophysical Abstracts in Press* **4**: 15.
53. 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. *SedAbstracts* (September 1994), p. 5.
54. **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. *SedAbstracts* (March 1994), p. 3.
55. Tokar, F.J., Jr.* and **J.E. Evans**, 1994. Storm-driven longshore drift: changes in rates and directions of sand transport, Lake Erie coastline of Ohio. *Geological Society of America, Abstracts with Programs* **26**(5): A64.
56. Tokar, F.J., Jr.* and **J.E. Evans**, 1993. Determination of sediment transport with the use of natural tracers on the south shore of Lake Erie, Heidelberg Beach, Ohio. *Geological Society of America, Abstracts with Programs* **25**(6): A273.
57. Seamon, D.E.*, **J.E. Evans**, and J.P. Frizado, 1993. A model for soil erosion rates and sediment yields that utilizes geographical information systems. *Geological Society of America, Abstracts with Programs* **25**(6): A247.
58. Tokar, F.J., Jr.* and **J.E. Evans**, 1993. Determination of sediment transport with the use of natural tracers on the south shore of Lake Erie, Heidelberg Beach, Ohio. *International Association for Great Lakes Research, Abstracts Volume*, A-54.
59. **Evans, J.E.**, and D.O. Terry, Jr.* , 1992. Fluvial base level changes in the lower part of the White River Group, Eocene-Oligocene, Badlands of South Dakota. *Geological Society of America, Abstracts with Programs* **24**(6): A52.
60. Welzenbach, L.C.* and **J.E. Evans**, 1992. Sedimentology and paleolimnology of an extensive lacustrine unit, White River Group (Eocene-Oligocene), South Dakota. *Geological Society of America, Abstracts with Programs* **24**(6): A54.
61. Terry, D.O., Jr.* and **J.E. Evans**, 1992. Pedogenesis and paleoclimatic implications of the Chamberlain Pass Formation, basal White River Group, Badlands of South Dakota. *Geological Society of America, Abstracts with Programs* **24**(6): A269.
62. **Evans, J.E.**, 1991. Implications of tectonic partitioning of drainage in the Pacific Northwest during the Paleogene. *Geological Society of America, Abstracts with Programs* **23**(6): A481-482.
63. **Evans, J.E.** and R.J. Ristow*, 1991. Tectonic implications of the southeastern outcrop belt of the Chuckanut Formation, Cascade Range, Washington. *Society for Sedimentary Geology (SEPM), Annual Midyear Meeting, Abstracts Volume* **6**: 12.
64. **Evans, J.E.** and R.J. Ristow*, 1991. Sedimentology and stratigraphy of the Chuckanut Formation (Eocene) in its eastern outcrop belt, North Cascade Range, Washington state. *Geological Society of America, Abstracts with Programs* **23**(2): A12.
65. Terry, D.O., Jr.* and **J.E. Evans**, 1991. The Chamberlain Pass Formation: a new lithostratigraphic unit from the Badlands of South Dakota. *Geological Society of America, Abstracts with Programs* **23**(2): A64.
66. Ristow, R.J.* and **J.E. Evans**, 1991. Depositional environments and provenance of the Chuckanut Formation (Eocene) in the vicinity of Barlow Pass, North Cascade Range, Washington. *Geological Society of America, Abstracts with Programs* **23**(2): A56.

67. **Evans, J.E.**, 1990. Developing student grant proposals as part of a class writing assignment in sedimentary basin analysis. *Geological Society of America, Abstracts with Programs* **22**(6): A287-288.
68. **Evans, J.E.**, 1990. Sedimentology of the Navosa Group (Miocene-Pliocene), southwest Viti Levu, Fiji, South Pacific. *American Association of Petroleum Geologists Bulletin* **74**: 650-651.
69. **Evans, J.E.**, 1987. Paleovegetation study of an ancient, rapidly-subsiding, tropical to subtropical, alluvial basin. *Geological Society of America, Abstracts with Programs* **19**(7): A657.
70. **Evans, J.E.**, 1987. Fluvial architecture and paleohydrology of a Tertiary wrench-fault basin, Chumstick Formation, Washington. *Society for Sedimentary Geology (SEPM), Annual Midyear Meeting, Abstracts Volume 4*: A25.
71. **Evans, J.E.**, 1987. Tectonic evolution of a Tertiary wrench-fault basin, Chumstick Formation, Cascade Range, Washington. *Geological Society of America, Abstracts with Programs* **19**(6): A375-A376.
72. **Evans, J.E.**, 1986. Influence of syndepositional tectonics on fluvial facies in a Tertiary wrench-fault basin, Chumstick Formation, Cascade Range, Washington. *Society for Sedimentary Geology (SEPM), Annual Midyear Meeting, Abstracts Volume 3*: A34.
73. Bogue, S. and **J.E. Evans**, 1986. A discordant paleomagnetic component from the Eocene Chumstick Formation, central Washington state. *Geological Society of America, Abstracts with Programs* **18**(2): A88.
74. **Evans, J.E.**, 1985. Sedimentation styles in the Chumstick Formation: a postulated wrench-fault basin in the Cascade Range. *Society for Sedimentary Geology (SEPM), Annual Midyear Meeting, Abstracts Volume 2*: A28.
75. **Evans, J.E.**, 1985. Cyclic fluvial deposition in a postulated wrench-fault basin, Chumstick Formation, east-central Cascades. *Geological Society of America, Abstracts with Programs* **17**(6): A354.
76. Johnson, T.C., and **J.E. Evans**, 1980. Organic carbon deposition and diagenesis in Lake Superior. *Geological Society of America, Abstracts with Programs* **12**(7): A456.
77. **Evans, J.E.** and T.C. Johnson, 1980. ²¹⁰Pb geochronology and organic carbon sedimentation in Lake Superior. *Geological Society of America, Abstracts with Programs* **12**(2): A225.

Miscellaneous Publications

1. **Evans, J.E.**, 2010. Expert Witness Rebuttal Report, Menasha Corporation, 29 p.
2. **Evans, J.E.**, 2010. Expert Witness Report, Menasha Corporation, 45 p.
3. **Evans, J.E.**, 2010. Expert Witness Report, Friends of Lick Creek, Defiance and Williams Counties, Ohio, 11 p.
4. **Evans, J.E.**, 2006. Letter about Science and Politics. *American Scientist*, **94**: 291.
5. **Evans, J.E.**, 2006. Letter about Global Warming. *AAPG Explorer* **27**(6): 38-40.
6. **Evans, J.E.**, 1994. How the Endangered Species Act made me feel endangered, in *From the Lab to the Hill: A Collection of Essays Celebrating 20 Years of Congressional Science and Engineering Fellows* (A. Fainberg, editor). Washington, D.C.: American Association for the Advancement of Science, p. 295-301.
7. **Evans, J.E.**, 1991. Review of *Focus on Earth Science*, *Bookwatch Reviews* **4**: 2-3.
8. **Evans, J.E.**, 1990. Review of "Structure across a Mesozoic ocean-continent suture zone in the northern Sierra Nevada, California" (GSA Special Paper 224). *Ohio Journal of Science* **90**: 90-91.

9. **Evans, J.E.**, 1988. Science advice for the Congress. *Geological Society of America News & Information* **10**: 324-325.
10. **Evans, J.E.**, 1988. Report from Washington: Resources Conservation and Recovery Act. *Geological Society of America News & Information* **10**: 309-310.
11. **Evans, J.E.**, 1988. Report from Washington: Review of Activities. *Geological Society of America News & Information* **10**: 280-281.
12. **Evans, J.E.**, 1988. Report from Washington: Clean Air Legislation. *Geological Society of America News & Information* **10**: 242-244.
13. **Evans, J.E.**, 1988. Report from Washington: Defense Waste Cleanup. *Geological Society of America News & Information* **10**: 163-164.
14. **Evans, J.E.**, 1988. Report from Washington: Earth Sciences and the Federal Budget. *Geological Society of America News & Information* **10**: 137-138.
15. **Evans, J.E.**, 1988. Report from Washington: Hard Mineral Mining in the Exclusive Economic Zone. *Geological Society of America News & Information* **10**: 120-121.
16. **Evans, J.E.**, 1988. Report from Washington: Contaminated Sediments. *Geological Society of America News & Information* **10**: 64-65.
17. **Evans, J.E.**, 1988. Report from Washington: Arctic National Wildlife Refuge. *Geological Society of America News & Information* **10**: 36-37.
18. **Evans, J.E.** and M. Heitlinger, 1984. Integrated pest management: application to natural ecosystems. *Restoration and Management Notes* **2**: 18-22.
19. **Evans, J.E.**, 1984. Management practices for Canada thistle (*Cirsium arvense*). *Natural Area Journal* **4**: 11-21.
20. **Evans, J.E.**, 1984. Management practices for Japanese honeysuckle (*Lonicera japonica*). *Natural Areas Journal* **4**: 4-10.
21. **Evans, J.E.**, 1983. Management practices for smooth sumac (*Rhus glabra*), poison ivy (*Rhus radicans*) and other sumac species. *Natural Areas Journal* **3**: 16-26.
22. **Evans, J.E.**, 1983. Management practices for multiflora rose (*Rosa multiflora*). *Natural Areas Journal* **3**: 6-15.
23. **Evans, J.E.**, J. Coleman, and S.G. Galatowisch, 1983. Minnesota's peregrine falcon reintroduction project—1982 hack site report. *The Loon* (Minnesota Ornithological Union) **55**: 3-8.
24. **Evans, J.E.**, 1982. Management practices for absinth sage (*Artemisia absinthum*). *Natural Areas Journal* **2**: 3-9.
25. **Evans, J.E.**, 1982. Management practices for purple loosestrife (*Lythrum salicaria*). *Natural Areas Journal* **1**: 6-12.
26. **Evans, J.E.**, 1982. A census of breeding herons, egrets, and cormorants at the Egret Island heronry (Grant County, Minnesota). *The Loon* (Minnesota Ornithological Union) **54**: 49-57.

Professional Memberships

American Geophysical Union (1986-present).
 American Association of Petroleum Geologists (1984-present).
 Geological Society of America (1984-present). Honorary Fellow (1997).
 International Association of Sedimentologists (1985-present).
 National Center for Science Education (1998-present).
 Ohio Academy of Science (1993-present). Honorary Fellow (1998).
 Society for Sedimentary Geology (SEPM) (1984-present).
 Sigma Xi, Scientific Research Society of North America (1976-present).

Grants and Contracts

1. **Evans, J.E.** (2010, pending) Sediment Assessment of the Removal of Ballville Dam, Sandusky River, Fremont, Ohio. Ohio Water Pollution Control Loan Fund, Water Resource Restoration Sponsor Program (\$134,082 requested, part of \$3.8 million project).
2. **Evans, J.E.** (2007) Field testing sediment transport models for dam removals. BGSU Faculty Research Committee (\$13,300).
3. Toledo Metropolitan Area Council of Governments (**Evans, J.E.**, co-PI) (2006) Ottawa River dam removal and stream restoration, Lucas County, Ohio. Ohio Environmental Protection Agency, Section 319(h) Non-point Source Program Grant (\$204,970).
4. **Evans, J.E.** (2005) Ohio Board of Regents Instructional Equipment Grant (\$30,300).
5. J.F. Gottgens and **J.E. Evans** (co-PI), 2002, Dam removal in the Ottawa River, Ohio: A feasibility study needed for comprehensive regional planning. Ohio Department of Natural Resources, Coastal Management Assistance Grant, (\$39,990).
6. **Evans, J.E.** (2000) Science and policy issues related to the proposed removal of the Ballville Dam, Sandusky River, Ohio. BGSU Center for Policy Analysis and Public Service (\$7,000).
7. **Evans, J.E.** (1995) Sedimentology of the Old Red Sandstone in Scotland and Wales. BGSU Faculty Research Committee (\$750).
8. **Evans, J.E.** (1994) Tectonic controls over fluvial sedimentation in the White River Group, South Dakota, Nebraska, and Wyoming. BGSU Faculty Research Committee (\$3000).
9. **Evans, J.E.** (1993) Integrated coastal environment study of the Lake Erie shoreline using sedimentology, hydrogeology, remote sensing, and GIS. Ohio Board of Regents (\$20,000).
10. **Evans, J.E.** (1991) Tectonic implications of the eastern outcrop belt of the Chuckanut Fm (Eocene), Cascade Range, Washington State. BGSU Faculty Research Committee (\$3000).
11. **Evans, J.E.** (1991) Ohio Board of Regents Instructional Equipment Grant (\$4,322).
12. **Evans, J.E.** (1990) Sedimentology and stratigraphic relationships of Eocene sedimentary rocks along the Sauk River, Cascade Range, Washington State. BGSU Faculty Research Committee (\$3000).
13. **Evans, J.E.** (1989) Sedimentology and stratigraphy of Tertiary sedimentary rocks with the Sauk 1:100,000 USGS quadrangle map. Washington Division of Geology & Earth Resources (\$1,600).
14. **Evans, J.E.** (1988) Geological and limnological study of Lake Erie. Ohio Board of Regents (\$20,500).

Teaching Assignments

Introductory Geology (Geology 1000)

Earth Environments (Geology 1040)

Sedimentology and Stratigraphy (Geology 3160)

Surface Water Hydrology (Geology 4450/5450)

Groundwater Hydrology (Geology 4460/5460)

Seminar in Geology and Public Policy (Geology 4800/6800)

Geology Field Camp (Geology 4930/4940/6930) summer field course taught each year

Sedimentary Environments (Geology 6230)

Sedimentary Basin Analysis (Geology 6450)

Sedimentary Structures (Geology 6460) no longer offered/curriculum revision

Mechanics of Sediment Transport (Geology 6470) no longer offered/curriculum revision

Soil Science (Geology 6840) offered as independent study class

Graduate Student Master's Thesis Projects

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.

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.
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.
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.
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.
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.
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. Allan Adams, in progress, *Evolution of a partly bedrock-controlled, wandering gravel-bedded river, Huron River, north-central Ohio* [M.S. Thesis].
27. Mary Faw, in progress, *Pedogenic approach to classification of paleo-histosols* [M.S. Thesis].
28. Joshua T. Maurer, in progress, *Depositional environments of the Devonian Elbert Formation, San Juan Mountains, SW Colorado* [M.S. Thesis].
29. Bharat Banjade, in progress, *Petroleum Geology of the Cambrian Kerbel Formation, SE Ohio* [M.S. Thesis].

Success of Graduate Student Advisees

- 3 employed in academia (with Ph.D. degrees)
- 15 employed in industry (environmental, oil, or minerals)
- 5 employed in state or federal government
- 4 currently in graduate school for Ph.D. degree
- 2 currently in graduate school completing M.S. degree.

Graduate Student Honors & Awards at BGSU

- Nominated for BGSU Distinguished Thesis Awards: A. Saeed, J. Richardson, L.D. Webb.
- BGSU Outstanding University Graduate Teaching Assistant Award: L. Webb (2010).
- BGSU Geology Department Outstanding Graduate Student Award: D. Terry, L. Welzenbach, J. Ristow, J. Bates, F.J. Tokar, A. Svitana, A. Saeed, J. Richardson, N. Harris, L.D. Webb.
- Win Stone International Student Award (BGSU): S. Yuvaraj (2010).
- Hollis A. Moore Service Award (BGSU): J. Bates (1993).
- Harold T. Stearns Fellowship (Geological Society of America): D. Kramer (1989).
- Best Paper Award, *Ohio Journal of Science*: J. Bates (1996), E. Seamon (1997).
- Best Student Presentation, *International Association of Great Lakes Research Conference*: F.J. Tokar (1993).
- Best Student Presentation in Sedimentary Geology, *North-Central/South-Central Meeting of the Geological Society of America*: Senthil Yuvaraj (2010).

Undergraduate Thesis Topics

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.

Student Service Organizations

1. *Sigma Xi, Scientific Research Society of North America.* As an officer and active member of the BGSU Chapter of *Sigma Xi*, a scientific honor society, it was my responsibility to recruit and induct new student members and organize the annual research conference, which eventually morphed into the Fall Student Research Conference sponsored by the University (1994-2000).
2. *Geology Club Advisor.* I served as faculty advisor to the Geology Club, a student-run social/service organization, whose activities include recruiting students interested in geology and the environment, conducting outreach to local public schools or service organizations such as Boy Scouts, leading field trips or trips to museums, and providing a booth at Earth Day (1996-2002).
3. *Miscellaneous activities.* I have been very active taking undergraduate students on geology field trips (typically 8-10 per academic year), in addition to teaching geology field camp in Colorado and New Mexico most summers. I have made it possible for students to attend professional conferences by driving a department vehicle to meetings in Denver, Philadelphia, Cincinnati, central Missouri, Green Bay, and Buffalo.

Service to the University, College, and Department

- Chair of the Faculty Senate (2001-2002).
- Vice Chair/Chair-elect of the Faculty Senate (2000-2001).
- Faculty Senate Executive Committee (Chair 2001-2002, Member 1997-2002, 2008-2010).
- Faculty Senate Budget Committee (Chair 2006-2009, Member 2003-2009).
- Faculty Senate Committee on Professional Affairs (Chair 2003-2004, Member 2002-2008, 2010-2012).
- Faculty Senate Committee-on-Committees (Chair 2000-2001, Member 2008-2011).
- Faculty Senate Faculty Personnel and Conciliation Committee (Member 1996-2001).
Conciliator (1999), Chair, Hearing Board (2001), Faculty Advisor (2002, 2003).
- Faculty Senate (Member 1995-2002, 2008-2011).
- University Health, Wellness, and Insurance Committee (2010-2012)
- University Graduate Council (Member 2002-2003).
- University Program Review Committee (Member 2002-2005).
- University Faculty Research Committee (Member 2003-2006).
- University Parking Committee (Member 2003-2006).
- University Academic Honesty Committee (Member 1997-2001).
- University Intercollegiate Athletics Committee (Member 1997-2000).
- University Telecommunications Advisory Committee (Member 1991-1992).
- University Honors & Awards Committee (Member 1990-1991).
- President's Panel (Member 2000-2002, 2004-2006).
- President's Strategic Planning Committee (Member 2009-2010).
- Provost's Environmental Sustainability *ad hoc* Committee (Member 2002-2003).
- Vice President for Student Affairs' Student Services *ad hoc* Committee (Member 1994-1995).
- Sponsored Programs and Research Task Force (Member 1996-1997).
- College of Arts & Sciences General Education Advisory group (Member 1994-1996).
- Graduate College Midwestern Association of Graduate Schools Distinguished Thesis Awards (Judge 1998-2000).
- Graduate College Graduate Student Orientation Sessions (Speaker 1989-1992).
- External Reviewer, Promotion and Tenure Cases (1999, 2000, 2005).
- Nominated for Master Teacher Award, BGSU Alumni Association (2010, 1990).
- Friends of the BGSU Libraries, Author & Artist Award (2001).
- Department of Geology, Undergraduate Advisor (1996-2002)
- Department of Geology, Graduate Advisor (1993-1994, 2002-2003).
- Department of Geology, Promotion & Tenure Committee (1995-2001, 2005-2009)
- Department of Geology, Curriculum Committee (1993-2003)
- Department of Geology, Merit Committee (1990-1995)
- Department of Geology, Facilities & Equipment Committee (1994-1996, 2002-2005)
- Department of Geology, Honors & Awards Committee (1989-1995)
- Department of Geology, New Faculty Search Committees (7 instances)
- Department of Geology, Chair Search Committee (1992).
- Department of Geology, Field Camp Instructor (1993-2006).
- Department of Geology, Visiting Speaker Program Coordinator (1989-1994).
- Department of Geology, Undergraduate Geology Club Advisor (1989-1997).

- Department of Geology, Mayfield Lecture Series Coordinator (1989-2002).
- Department of Geology, AAPG Distinguished Lecturer Series Coordinator (1989-2006).
- School of Earth, Environment, and Society, Director Search Committee (2005-2006).
- School of Earth, Environment, and Society, Promotion-Tenure Committee (2009-2011).

Service to the Profession (Office, Committee, Special Role)

- Convener, Session on River Restoration and Dam removals, Annual Meeting of the American Geophysical Union, San Francisco, December 2010.
- Editor, Special issue on Dam Removals and River Restoration, *Reviews in Engineering Geology*, Geological Society of America, 2010-2011.
- Member, Strategic Outreach and Communication Committee, American Geophysical Union (2010-2012).
- Member, Committee on Public Affairs, American Geophysical Union (2008-2010).
- Member, Research Grant Committee, Geological Society of America (2008-2011).
- Consultant, National Park Service, Geologic Resource Inventory for Cuyahoga Valley National Park (2009).
- Project Team Member, Ballville Dam removal, Sandusky River, Ohio (2008-2012)
- Executive Board (Vice Chair), Ohio Dam Safety Organization (2007-2008).
- Member, Lake Erie Shoreline Erosion Management Plan External Workgroup, Ohio Department of Natural Resources (2007-2011).
- Convener, Theme Session on Dam Removals in the Great lakes watershed, North-Central Regional Meeting, Geological Society of America (2007).
- Editor, Special Issue of the *Journal of Great Lakes Research* about the impact of dam removals in Ohio on the geology and ecology of Lake Erie (2006-2007).
- Panel Reviewer for the U.S. Environmental Protection Agency (2006-2008).
- Symposium organizer of a special session on dam removals at the North-Central Section Meeting of the Geological Society of America (2006).
- Field Trip Leader, Geological Society of America conference (2006).
- Invited Member, Ottawa River Remedial Action Plan Committee, Toledo Metropolitan Area Council of Governments (2004-2006).
- Field Trip Leader, Geological Society of America conference (2003).
- Project Team Member, Secor Dam removal, Ottawa River, Ohio (2002-2008).
- Symposium organizer of a special session on dam removals at the Geological Society of America annual meeting (2000).
- Chair, Geology & Public Policy Committee, Geological Society of America (Chair 1999-2000, Member 1989-1992, 1997-2001).
- Invited Member, Sediment Erosion Reduction Committee, Wood County Soil & Water Conservation District (1995-1996).
- Campus Representative, Society for Sedimentary Geology (SEPM) (1995-present).
- Membership Committee, American Association of Petroleum Geologists (1995-2001).
- Campus Representative, Geological Society of America (1989-present).
- Campus Representative, American Association of Petroleum Geologists (1989-present).
- Field Trip Leader, Geological Society of America conference (1989).
- President, BGSU Chapter of *Sigma Xi, Scientific Research Society of North America* (1997-1998). Vice President (1996-1997). Secretary (1994-1995).

Ongoing Professional Service

- Grant Reviews (National Science Foundation, American Chemical Society): 20.
- Journal Article Reviews (various journals): 39.
- Textbook Reviews (various geology textbooks): 5.
- Congressional Science Fellowship: Review typically 15-20 post-doctoral fellowship application packages for AAAS, AGU, GSA (multiple years).

Collaborative Research Partners:

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, South Dakota School of Mines, Washington Division of Geology and Earth Resources.

Consultantships (Paid and *Pro Bono*)

- Expert Witness, PCB Contamination in the Fox River, Wisconsin (2009-ongoing).
- Expert Witness, Surface water modifications, Williams and Defiance Counties, Ohio (2009-ongoing).
- Consultant, Flood protection of an archaeological site, Connecticut (2009).
- Consultant, Sedimentological evaluation of an archaeology site, Quebec (2005).
- Expert Witness, Surface water pollution on the Sandusky River (2000).
- Consultant, Boeing Aerospace Company (1994-1995).
- Consultant, Shell Oil Company (1985-1987).
- Consultant, Atlantic-Richfield Oil Company (1985-1987).

Community Service

- Speaker, BGSU Memorial Service for the Victims of September 11, 2001 (on National Day of Remembrance, September 14, 2001) for approximately 7,000 people and live television coverage on the Mall in front of University Hall.
- Presentation to public land managers, Dam Removal and Site Mitigation Workshop (2008).
- Presentations to U.S. Congressional Staff and local government officials for the BGSU Center for Policy Analysis and Public Service (1999-2003).
- Congressional Science Day visits (Washington, D.C.) to Congress (1998, 1999, 2000).
- State House visits (Columbus, Ohio) on behalf of higher education (2001, 2002, 2003, 2004, 2006, 2007, 2009).
- Visiting Speaker in Bowling Green Public Schools (numerous occasions).
- Speaker at Sandusky River Days (1995).
- Speaker at Public Hearings about the Ottawa Dam Removal (2005-2006).
- Media interviews associated with proposed removals of the Ballville Dam and the Secor Dam (quoted in numerous newspaper articles, interviewed on live radio, or conducted interviews with television reporters).