

Curriculum Vitae
JAMES J. CONNORS, PH.D.

EDUCATION

Ph.D., University of South Alabama, Marine Sciences, 2007 (Dissertation research focus:
Dissolved nutrient transport via submarine groundwater discharge)
M.S., University of Alabama, Geology, 1990 (Thesis research focus: Appalachian structural
geology)
B.S., University of South Alabama, Geology, 1983

CURRENT PROFESSIONAL LICENSES/CERTIFICATIONS

Professional Geologist, Alabama (No. 1468), Mississippi (No. 0940), New York (No. 311)
Professional Geoscientist, Louisiana (No. 80), Texas (No. 4065)
Professional Hydrologist, American Institute of Hydrology (No. 23H05014)
Stormwater, Erosion, and Sedimentation Control Inspector, Florida (No. 40130)

PROFESSIONAL ORGANIZATION MEMBERSHIPS

Geological Society of America (Life Member)
New Orleans Geological Society (Member)
Sigma Gamma Epsilon, The National Honor Society for the Earth Sciences (Life Member)
Sigma Xi, The Scientific Research Honor Society (Member and past chapter president)

AWARDS/HONORS

Named one of the 50 Outstanding Faculty Members in the history of the University of South
Alabama, 2013
Endowed Award for Humanitarian Service, University of South Alabama, 2013
Named Principal Emeritus, Eco-Systems, Inc./Allen Engineering & Science, 2013
Three Mortar Board Top Prof awards, University of South Alabama Chapter, 2011-12
Outstanding Service award, University of South Alabama College of Arts & Sciences, 2011
Chapter President, Sigma Xi (The Scientific Research Honor Society) University of South
Alabama Chapter, 2011-13
Faculty Senate President, University of South Alabama, 2010-11
Faculty Member of the Year award, University of South Alabama Student Government
Association, 2010
Elected to Sigma Xi (The Scientific Research Honor Society), 2009
Faculty Member of the Year award, University of South Alabama Student Government
Association, 2009
President, Southwest Alabama Geological Society, 2007-09
Teaching Excellence award, University of South Alabama College of Arts & Sciences, 2007
Presented Most Outstanding Young Professional award, Woodward-Clyde Consultants, 1992
Inducted into Sigma Gamma Epsilon (The National Honor Society for the Earth Sciences), 1983

PROFESSIONAL EMPLOYMENT HISTORY

Private-Sector

- Applied Hydrological Education & Consulting, Inc., Mobile AL, 2016-present
Principal Scientist and Instructor/Founder (1/16-present)
- James J. Connors & Associates, LLC, Fairhope AL, 2013-present
Principal Scientist/Founder (2/13-present)
- Eco-Systems, Inc. (now Allen Engineering & Science), Jackson MS/Fairhope AL, 1993-2013
Co-founder/Senior Principal Scientist (2/93-2/13); Retired, *Principal Emeritus* (2/13)
- Exsorbet Industries, Inc., Little Rock AR/Jackson MS, 1995-1999
President/Chief Executive Officer/Chairman of the Board of Directors (2/97-2/99)
Chief Operations Officer (1/97-2/97)
Interim President, Emergency response/industrial services subsidiary, (9/96-1/97)
Executive Vice President, Business Development (4/96-1/98)
Senior Principal Hydrogeologist (12/95-4/96)
- Woodward-Clyde Consultants, Jackson MS, 1989-1993
Vice President (8/91-5/93)
Office Manager/Senior Project Scientist (5/89-8/90)
- Geraghty & Miller, Inc., Tampa FL/Baton Rouge LA, 1986-1989
Senior Scientist/Division Manager for Hydrocarbon Services (5/88-5/89)
Staff Scientist (5/87-5/88)
Scientist (6/86-5/87)
- P.E. LaMoreaux & Associates, Inc., Tuscaloosa AL/Lakeland FL, 1985-1986
Field Hydrogeologist/Computer Modeler (7/85-6/86)

Academic (University of South Alabama, Mobile AL, 2003-2016)

Faculty Positions

- Associate Professor, Department of Interdisciplinary Studies (1/15-1/16)
- Assistant Professor, Department of Interdisciplinary Studies (8/12-12/13)
- Assistant Professor, Department of Earth Sciences (1/08-3/12)
- Instructor, Department of Earth Sciences (1/05-1/08)
- Part-time Instructor, Department of Earth Sciences (1/03-1/05)

Administrative Positions

- Interim Dean, School of Continuing Education & Special Programs (1/15-1/16)
- Special Assistant to the Vice President for Research & Economic Development (12/13-1/15)
- Interim Vice President for Research (3/12-8/12)
- Associate Dean, School of Continuing Education & Special Programs (8/12-12/13)
- Interim Director of International Education (2/13-11/13)
- Interim Chair, Department of Developmental Studies (8/12-12/13)

SELECTED PROJECTS

Expert witness for Plaintiffs in a case involving alleged contamination from leachate and gas discharges from an Alabama municipal solid waste landfill. The contaminants included PFAS, metals, and others. Involved multiple site inspections and several sampling events, observation/critique of opposing experts' field work and documents, critique of work from four

opposing experts, preparation of an expert and supplemental/rebuttal report, two depositions, trial testimony, observation of opposing expert testimony, and other work.

Expert witness for Defendant in a U.S. District Court case involving alleged damage to a Mississippi coast estuary by stormwater-related erosion and sediment from a large-scale construction project. Reviewed file and associated literature, read opposing expert's reports, reviewed current and historical maps, rainfall data, and soil data. Conducted site inspections, produced affidavits challenging opposing expert, prepared an expert report, and gave a deposition.

Expert witness for Plaintiff in a U.S. District Court claim involving a western Tennessee building fire allegedly caused by stormwater flooding. Reviewed case file, inspected site, researched local rainfall/humidity/hydrology, and produced an expert report.

Expert for Defendants in an Alabama case involving alleged flooding of a retirement/residential complex by stormwater runoff from an adjacent construction site during a severe rainfall event. Reviewed file, inspected site, researched the storm event, and reviewed opposing expert's statement.

Expert witness for Plaintiffs in a Baldwin County, Alabama, lawsuit involving the proposed construction of a large pier, boathouse, with dredged channel and turnaround basin, etc. in a portion of a coastal estuary that is designated an "Outstanding Alabama Water" body. Work involved a file review, scientific literature research, site inspection, expert report, deposition, trial testimony.

Expert witness for Defendants in an Indiana case involving the alleged connection between highway construction stormwater runoff and a fatal traffic accident. Reviewed file, opposing experts' reports, depositions, topographical maps, accident-scene video and photos, historical remote-sensing, and rainfall data. Conducted site inspection and infiltration tests. Produced an expert report.

Expert for Plaintiffs in a U.S. District Court class-action lawsuit in the involving alleged contamination by PFAS in a river and associated municipal water-supply system in north Alabama. Reviewed case-related documents and data, researched regulatory databases, produced an expert report and supplemental affidavit, reviewed/critiqued opposing expert's report, and inspected facilities.

Expert witness for Defendants in a Texas case involving alleged erosion and mass wasting resulting from Hurricane Harvey. Work involved file review, including surveys, maps, photos, and depositions, as well as external data, research, literature, and videos. An expert report was prepared.

Expert for Plaintiff in a U.S. District Court case involving a large oil spill that appeared suddenly in southern Louisiana. Reviewed file and public records, inspected site, researched local hydrogeology and petroleum exploration history, and produced an expert report.

Expert witness for Defendants in a U.S. District Court case involving alleged contamination of from a closed construction-demolition debris landfill. Reviewed file, inspected site, mapped stormwater flow, produced an expert report, gave a deposition, prepared for trial.

Expert witness for Plaintiff in a U.S. District Court case in Illinois that involved trespass and defamation claims related to an inland watercourse. Documents, maps, photos, and videos were reviewed, research was performed, and an expert report was produced.

Expert for Plaintiffs in a U.S. District Court case involving alleged negative impacts of stormwater runoff onto a private pond from an adjacent industrial facility in northern Mississippi. Reviewed file, performed site inspections and sampling, produced an expert report, and gave a deposition.

Expert for Defendant in a Mobile County, Alabama, lawsuit involving downstream flooding allegedly caused by excessive discharge from a pond. Reviewed file, performed research, inspected site, and produced an expert report.

Expert witness for Plaintiffs in an American Arbitration Association case regarding the fate, transport, and timing of subsurface free-phased and groundwater-dissolved chemicals at a riverside refinery in West Virginia. Reviewed file, performed a site inspection, produced expert and rebuttal reports, produced computer models, met with regulatory agency, and gave testimony at arbitration hearing.

Expert witness for Defendants in a south Florida circuit court case involving alleged stormwater-related causation of repeated flooding in a commercial building. Reviewed complaint and stormwater drain maintenance record, researched historical rainfall, shallow wells and soil borings in the area, historical water-table elevation near site, local saturated hydraulic conductivity of local soils (K_{sat}), historical air photos detailing land use. Presented opinions and bases to attorney.

Expert witness for Plaintiffs in a U.S. District Court case involving the environmental impacts from a large (4+ million gallon), 1970s petroleum spill in an Alabama coastal wetland. Work involved site inspections, sample collection, file review, and production of an expert report.

Expert witness for Defendants in a U.S. District Court case involving alleged hydrocarbon and brine contamination associated with a pipeline break in a southern Mississippi oil field. Reviewed file, produced an expert report, gave a deposition, and assisted attorneys with opposing expert Daubert.

Expert for Plaintiff in an Alabama case involving alleged stormwater runoff and throughflow from a neighborhood to an adjacent/downhill property. Reviewed file, performed site inspections, observed soil borings, produced expert and rebuttal reports, reviewed opposing expert reports, gave two depositions, developed demonstrative evidence, and testified at trial.

Expert witness for Plaintiffs in Mississippi case involving large-scale, historical subsurface gasoline contamination from a leaking pipeline detected 30-years prior. Reviewed file, produced an expert report, gave a deposition, and testified at trial.

Expert witness for Defendant in a Michigan case involving an alleged raw sewage and chemical release into an Upper Peninsula river. Reviewed file, researched current and historical maps and photos, rainfall and wind data. Conducted a site inspection. Produced an expert report.

Expert for Plaintiffs in a coastal Mississippi case involving alleged impacts of stormwater runoff from a hotel/restaurant property onto an adjacent residential property. Reviewed file, inspected site, and produced an expert report.

Expert witness for Appellee (U.S. government agency) before an independent executive branch tribunal in a contract dispute that involved groundwater depths and asbestos-containing wastes in a military base disposal facility located on a coastal estuary. Work included file/documents review, site inspection, expert and rebuttal reports, and a deposition.

Expert witness for Plaintiffs in a south Alabama case involving alleged stormwater-related flooding caused by runoff from one residential property onto an adjacent residential property. Work included a site inspection, file review, research, and preparation of an expert report.

Consulting expert for Plaintiffs in a case involving contamination on rural central Alabama residential properties related to a gasoline pipeline explosion/fire. Reviewed file, inspected site, reviewed Defendant's sample results, collected additional samples, and advised attorneys.

Consulting expert for Defendants in a central Alabama case involving potential impact of groundwater on the structural stability of a large building complex. Reviewed file, researched local hydrogeology, visited site, and advised attorney.

Consulting expert advising Plaintiff attorney group on possible links between groundwater contamination and cancer cases in a rural Alabama area. Reviewed file, performed site inspections, performed research, and advised attorneys.

Expert for Defendants in a U.S. District Court case involving hydrological causation of a Mississippi River collision between a moving tug (with barges) and an anchored dredging vessel. Reviewed file, performed research, and produced a report.

Consulting expert for Plaintiff in a Texas case involving ecological damage on a commercial property alleged to have been caused by herbicide use on an adjacent commercial property. Reviewed file, performed research, inspected and sampled site, and advised attorneys.

Consulting expert for Defendants in a case involving alleged above-ground fuel storage tanks regulations violations that may have contributed to a fire-related personal injury. Reviewed file/photos, performed research, and advised attorney.

Expert witness for Plaintiffs in a Louisiana case involving extensive flooding, erosion, sediment deposition, environmental damage, and water-quality degradation resulting from the construction of a large high school. Reviewed case documents and historical site/aerial photographs, researched local hydrology and rainfall, and produced an expert report.

Consulting expert for Defendants in a case involving the timing of PCB releases at a contaminated facility in Arkansas. Reviewed file, assisted with opposing experts' depositions.

Groundwater computer modeling for Plaintiffs in a case involving potential drawdown from a proposed water-supply wellfield in Florida. Reviewed regional hydrogeology/hydrology, ran numerous simulations, and prepared courtroom graphics explaining results.

Testimony before a regional fisheries commission on ecological population dynamics in Chesapeake Bay. Led research team, prepared "white paper" statement, presented before commission.

Consulting expert for Defendants in an Alabama case involving alleged stormwater-related damage at a residential property caused by landscaping work. Reviewed file, conducted research, advised attorneys.

- Expert witness for Defendants in a settlement hearing that involved PCB contamination in a northeastern Mississippi wetland. Reviewed data and details of proposed remedy, addressed the technical adequacy of the proposed work, and gave courtroom testimony.
- Consulting expert for Defendants in a case involving a collision between an anchored barge and a passing industrial vessel in a Louisiana bayou. Reviewed file, researched and reported on possible hydrological causes, developed opinions, advised attorney.
- Expert witness for Plaintiffs in a case involving an alleged trespass and land taking for alleged “natural” drainage purposes in Louisiana. Reviewed file, researched historical aerial photos and topographical maps, produced an expert report, and gave a deposition.
- Expert witness for Plaintiffs in a Mississippi case involving long-term environmental impacts associated with crude oil and brine releases from a pipeline on private property. Reviewed file, inspected/sampled site, produced an expert report, and gave a deposition.
- Consulting expert for Defendant in a case involving alleged airborne contamination from a steel manufacturing facility. Reviewed data and documents and advised attorney.
- Expert witness for Plaintiff in an Alabama case involving flooding of a home by an alleged groundwater spring. File was reviewed, research performed, and testimony given in a deposition and at trial.
- Expert for Defendants in an Alabama case involving alleged flooding of a residential property by runoff from an uphill housing project. Reviewed file, conducted site inspections, reviewed aerial photos/videos, researched rainfall data, gave opinions. Assisted with settlement.
- Expert witness for Plaintiffs in an Alabama case involving alleged negative impacts on offshore aquiculture by sediments mobilized/transported from an island restoration project. Performed site inspections, file review, and research. Prepared an expert report and gave a deposition.
- Consulting expert for Plaintiffs a situation involving flooding of a downstream residential area due to construction/alterations on adjoining, upstream properties. Reviewed file, researched area, inspected site, and advised attorney.
- Consulting expert for Defendant in a central Alabama case involving alleged damage to and contamination in a private pond by an overturned and submerged truck. Reviewed file, inspected site, and provided technical advice to attorneys.
- Consulting expert for Plaintiffs’ attorney a dispute involving sinkholes that were forming in an Alabama neighborhood.
- Expert witness for Defendants in a U.S. District Court case involving the creation of a wetlands on a coastal Mississippi property by increased stormwater inflow. Reviewed file, deposition transcripts, soils data, aerial and site-specific photos, and opposing expert reports. Conducted multiple site inspections and mapped local stormwater flow. Prepared an expert report.
- Expert witness for Defendant in several related Mississippi cases involving alleged oilfield brine contamination. Files were reviewed, research performed, and expert reports produced.
- Expert for Plaintiffs in an Alabama case involving extensive sedimentation at a residential property located on the shore of a coastal estuary. Conducted site inspections, collected

samples for grain-size analysis, reviewed historical maps and aerial photos, participated in mediation meetings and work toward a resolution.

Expert for Defendant in an Alabama case involving alleged stormwater-related flooding on one commercial property by another uphill commercial property. Reviewed file, conducted site inspections and drone recon, gave opinions and a deposition.

Consulting expert for Defendants in a case involving potential hydrological/sedimentological causes of a petroleum pipeline break near a dredging project in a Louisiana lagoon. The issue involved both civil and potential criminal liability. Reviewed file, performed research, and advised attorneys (opinions were communicated to Assistant U.S. Attorney involved).

Expert witness for Plaintiffs in a case involving stormwater-related flooding of a private home by neighborhood runoff in a coastal Alabama city. Reviewed file, researched hydrology and historical aerial photos/rainfall data, reviewed opposing experts' depositions, conducted site inspections, mapped local stormwater flow, and produced an expert report.

Consulting expert for a Plaintiff's attorney group in a potential case involving MTBE contamination in the environment. Reviewed file and scientific literature, performed sampling, and advised attorneys.

Expert witness for Plaintiffs in a New Zealand district court case involving alleged municipal stormwater impacts on a private property. Ongoing.

Expert witness for Defendants in a northern Louisiana district court case involving alleged stormwater-related flooding near a mining operation. Ongoing.

Expert witness for Plaintiffs in a central Alabama federal court case involving alleged involving alleged stormwater-related erosion, sedimentation, and flooding caused by an upstream neighborhood development. Ongoing.

Expert witness for Defendants in a northern Mississippi circuit court case involving alleged stormwater impacts on a residential lake. Ongoing.

Expert witness for Plaintiffs in a southern Mississippi chancery court case involving alleged stormwater impacts by one residential property on an adjacent property. Ongoing.

Expert witness for Defendant in a Wisconsin circuit court case involving alleged contamination by a large dairy operation ("Concentrated Animal Feeding Operation", or *CAFO*). Ongoing.

Expert witness for Plaintiffs in a southern Alabama circuit court case involving alleged involving alleged stormwater-related flooding caused by a new residential development. Ongoing.

Expert witness for Defendant in a southern Alabama circuit court case involving alleged flooding caused by pond/stormwater discharges on downstream property. Ongoing.

Expert witness for Plaintiffs in a central Alabama circuit court case involving alleged stormwater impacts from a municipal development on an adjacent private pond. Ongoing.

Consulting expert for Defendants in a central Alabama case addressing the potential for groundwater involvement in structural problems at a large retail development. Ongoing.

Expert witness for Plaintiffs in a central Alabama class-action lawsuit involving alleged airborne contamination by a mining/production operation. Ongoing.

Hydrological consultant on a stream restoration and conservation project in an urbanized Mississippi stream. Work included site inspections/mapping, public meeting participation, and consultation with engineering firm to help them determine natural restoration alternatives.

Geoscience consultant on the formation of a potential sinkhole at a southern Alabama residential property. Performed site inspection and research, advised clients, produced a report.

Hydrological evaluation of recharge rates of a naturally occurring karst spring used for bottled water production in Georgia. Work involved file and literature review, a site inspection, and performing pumping/recharge tests. A report with recommendations was produced. At client's request, met with potential buyer to explain the situation.

Property transfer-related environmental investigations for a major oil company. Involved hundreds of gasoline retail outlets in the Florida Panhandle and southern Alabama. Work involved the development and implementation of phased site audits, file reviews, and targeted subsurface investigations.

Hydrological research and reporting for an international specialty ranching corporation. Produced detailed maps of groundwater with suitable temperature, salinity, production, and depth for potential operations in Louisiana.

Developed mutually agreed to baseline environmental/health & safety (EHS) standards for a major U.S. oil company drilling offshore in a Southeast Asian country. Work involved researching and negotiating standards, writing regulatory documents, arranging for official signing, implemented/training personnel onsite, and onsite auditing/accessing implementation.

Planned/managed facility environmental audits for a large oilfield services company in Mississippi and Louisiana. Worked with client to set goals and develop a standardized evaluation rubric, performed file reviews, site visits, and sampling, produced reports.

Evaluated potential for contamination and other hydrological impacts at a solid-waste transfer station property in Texas by an adjacent dam and stormwater pond at a metal processing facility. Work included research, site inspections, sampling, and reports.

Performed numerous site environmental/health & safety (EHS) audits at facilities operated by a U.S. government agency along the Gulf Coast. Involved site research and inspections, employee and management interviews, file reviews, and preparation of reports.

Property-transfer environmental investigations for numerous sites in central Mississippi targeted for acquisition by a large gaming/casino company. Work involved regulatory and site investigations, as well as sampling/remediation where warranted.

Multi-phased contamination assessment/remedial action at an oil and gas field in southern Mississippi. Located abandoned waste drums using ground-penetrating radar data and borings, collected samples, and quantified releases.

Hydrological consultant for a public board responsible for oversight of a city/county municipal Subtitle D solid waste landfill. Working with director and attorney to technically review operator's hydrology-related reports, documents, and proposals, and interact with state regulatory agency on technical issues.

Consultant on a large project investigating health impacts of the Deepwater Horizon oil spill. Collected creel survey data from subsistence fishers and biota samples for analysis.

Pre-acquisition audit/investigation of a closed rice-processing and storage facility in Mississippi. The work included reviews of regulatory and onsite files, former employee interviews, visual evaluation of the property, and targeted sampling.

Hydrogeological evaluation and monitoring system design/installation at a Subtitle D landfill in southern Mississippi. Inspected site for seeps, surface water, etc.; reviewed and correlated numerous older soil borings; drilled and lithologically logged several soil borings; used new piezometers and downhole geophysics (radiation) and aquifer testing to fill gaps and test site conceptual model; reinterpreted site as a multi-aquifer hydrogeological system and designed monitoring appropriate monitoring system.

Watershed-wide contamination assessment and long-term monitoring of an old, large oil producing area in Mississippi. Work involved field reconnaissance, assessment of brine impacts on surface waters, review of LANDSAT images, and five years of quarterly monitoring of 25 miles of streams.

Evaluated groundwater monitoring system of western Mississippi landfill for a Subtitle D compliance. Inspected site, researched site history and setting, reviewed sampling data/field parameters and past reports, reviewed monitoring well construction diagrams/logs and locations, and installed additional well.

Contamination assessment to produce risk-based clean-up standards for a remedial design at an abandoned waste-oil disposal site. Work involved delineation of impacts at three waste-oil pits that were dug into central Mississippi limestone and exploration for others using surface geophysics, remote sensing, and soil borings. A site-specific hydrogeological conceptual model for contamination transport was prepared and tested.

Hydrological consulting on a project involving acid and ammonia impacts on local groundwater (due to infiltration) and estuarine ecology (due to runoff) at a coastal fertilizer plant. Also reviewed and critiqued site-specific computer modeling.

Site conceptual and computer modeling at a Mississippi Subtitle D solid waste landfill. Work involved site inspections, review of regional and site hydrology, correlation of existing hydrogeological data, facility history research, new soil cores and monitoring wells, aquifer testing, computer simulations, and the development and testing of a site conceptual model. The result was regulatory-approval of a Subtitle D landfill with only a natural clay liner.

Groundwater computer modeling of drawdown, dewatering, and settlement under a Mississippi casino. Modeled confirmed engineering concept that the facility could be lowered by pumping a system of peripheral wells.

Contamination assessment and remediation well installation at a large RCRA facility located over highly-faulted/fractured bedrock in central Alabama. Leaking facility was an onsite waste landfill. Contaminants of concern were pesticides and related compounds that had been released into a complex, multi-layer subsurface environment that included surficial saprolite, deeper sandstone and carbonates, karst hydrology, and widespread faulting and fracturing.

Remedial investigations at military bases in Florida and Georgia. Work involved multi-phased field events which included soil-gas surveys, installation of soil borings and groundwater monitoring wells, groundwater/soil sampling, and surface geophysical surveys. Contaminants included DDT, nerve agents, and explosive compounds.

- Performed pumping tests and real-time water-quality monitoring/modeling at a coastal military base to calculate pumping rates for wells used in a solvent plume pump-and-treat remediation system without causing saltwater intrusion issues for the biological treatment system.
- Mercury investigations and remedial actions at more than 300 natural gas pipeline metering stations. Project included planning and implementing a series of rapid, coordinated, and cost-effective site characterization and remediation activities at sites located in several states.
- Performed baseline hydrogeological evaluation at a National Estuarine Research Reserve property to evaluate the environmental impact of past agricultural land uses in the wetland.
- Aquifer testing, large DoD contractor facility in Florida. Performed aquifer tests on monitoring wells and analyzed data to determine aquifer characteristics for environmental fate-and-transport work.
- Municipal water-supply wellfield design, installation, and testing in central Florida. Target production zones were selected, test borings drilled and logged, and pumping tests performed.
- Water-quality investigation at a beer production facility in central Florida. Project involved isolating, sanitizing, and drill-stem testing various zones in a deep water-supply well to determine the source and character of microbial contamination.
- Regional water-supply assessment/development work to explore the potential for using brackish groundwater resources in coastal west-central Florida for low-pressure reverse-osmosis.
- Contamination assessment/remedial action planning at an old rail yard. Delineated diesel fuel contamination at the surface and in the subsurface. Work involved the drilling/sampling, installation of temporary and permanent groundwater monitoring wells, reporting results.
- Conducted a beach erosion study in coastal Alabama to test the effectiveness of a large-scale beach sediment nourishment project along the northern Gulf of Mexico. Set up multiple baseline transects in both nourished and natural beach areas, collected samples for grain-size analysis, produced report.
- Remedial investigation of four petroleum bulk storage terminals in Mississippi, Alabama, and Florida. Involved assessment of soils and groundwater, installation of groundwater monitoring wells, groundwater sampling, onsite portable lab work, free-product fingerprinting, and remedial planning.
- Research and fieldwork to support design of beneficial use project for dredge spoils in coastal Mississippi. Work included cores and grain-size samples in lagoon for a pilot-scale coastal erosion protection structure.
- Contamination assessment/remediation at over 50 leaking underground storage tank sites in Florida, Alabama, Mississippi, Louisiana, Arkansas, and Texas. Work included installation of soil borings and monitoring wells, groundwater/soil sampling, free-product finger printing, remedial planning, and remediation system installation/operation and maintenance.
- Reverse-osmosis water-supply well testing/replacement in central Florida. Evaluation and testing of a deep, large-scale withdrawal water well that was being used to supply drinking water to a municipality via a low-pressure reverse-osmosis plant.

Multi-facility chromate contamination investigation at several natural gas compressor stations in west Texas. Project included evaluation of hydrogeological conditions that would affect potential chromate fate and transport (redox geochemistry, flow gradients, hydraulic characteristics, etc.), implementation of a detailed assessment plan, aquifer testing, and horizontal drilling techniques.

Baseline aquifer study of a proposed large-scale phosphate mining operation in central Florida. Soil borings/test wells were drilled and tested. Data were used to plan post-mining reclamation.

Contamination assessment, monitoring, and in-situ/active risk-based remediation of sediment, soil, and groundwater at over 40 natural gas compressor stations from Mississippi to New York. Involved PCBs, solvents, and other contaminants.

Regional ambient groundwater-quality study in northeast Florida. Hundreds of water wells from various aquifers were sampled over several months for a broad list of parameters.

Remedial investigations at multiple wood-treatment sites in Mississippi. Work involved assessment of extent of impact in soil and groundwater in several areas at a large lumber treatment facility. Contaminant included dissolved and free-phased product. Included groundwater modeling and use of surface geophysics (EM).

Water-supply alternatives study in east-central Florida. Research to develop drinking water alternatives for an area that was experiencing saltwater intrusion.

Remedial construction oversight for the excavation and disposal of PCB- and petroleum-contaminated soils in central Alabama. Impacted area was then backfilled and restored.

EXPERT WITNESS WORK

Trial/Hearing/Arbitration Testimony

2023

- Trial testimony, Circuit Court, Baldwin Co. AL, Case CV-2020-900699 (Vaughn, et al. v. Smith, et al.)

2022

- Trial testimony, Circuit Court, Mobile Co. AL, Case 02-CV-2020-901477.00 (Carpenter v. Crown Pointe HOA, et al.)
- Hearing testimony, Circuit Court, Shelby Co. AL, Case CV-2021-900353 (Welch v. City of Chelsea, et al.)

2021

- Trial testimony, Circuit Court, Mobile Co. AL, Case 02-CV-2018-902210.00 (SWDA, et al. v. WMMBEC, Inc., et al.)

2015

- Arbitration testimony, ICDR/AAA Arbitration, Case 50 20 1200 0450 (Ergon-West Virginia v. Shell Oil Products)

2009

- Trial testimony, Circuit Court, Mobile Co. AL, Case CV-08-901850 (Kendrick v. Roberts Brothers)

2003

- Trial testimony, Circuit Court, Marion Co. MS, (Jacobs, et al. v. Plantation Pipeline Company)

1992

- Hearing testimony, Circuit Court, Lowndes Co. MS, (Weathers, et al. v. Tennessee Gas Pipeline)

Depositions

2023

- Circuit Court, Monroe Co. WI, Case 22-CX-4 (State of Wisconsin v. MDS, et al.)
- Circuit Court, Shelby Co. AL, Case CV-2021-900353 (Welch v. City of Chelsea, et al.)
- Chancery Court, Jackson Co. MS, Case 2019-2010 MAM (Guice v. Borries)

2022

- Armed Services Board of Contract Appeals, Case 628162021 (HGL v. USACE)
- U.S. District Court, Northern District of AL, Case 2:18-CV-1693-RDP (second deposition, Winther v. U.S. Steel, et al.)
- Circuit Court, Baldwin Co. AL, Case CV-2020-900699 (Vaughn, et al. v. Smith, et al.)

2021

- U.S. District Court, Northern District of MS, Case 3:19cv213-NBB-RP (Seale v. MDOT, et al.)
- Circuit Court, Mobile Co. AL, Cases 02-CV-2018-902210.00 and 02-CV-2017-901263.00 (two depositions SWDA, et al. v. WMMBEC, Inc., et al.)
- Circuit Court, Mobile Co. AL, Case 02-CV-2020-901477.00 (two depositions, Carpenter v. Crown Pointe HOA, et al.)
- 19th Judicial District Court, East Baton Rouge Parish LA, Case 684270 SEC. C (Raby v. Fakouri, et al.)

2019

- U.S. District Court, Northern District of AL, Case 2:18-CV-1693-RDP (Winther v. U.S. Steel, et al.)
- Circuit Court, Mobile Co. AL, Case 02-CV-2016-901970.00 (Southern Pearl Oyster Farm, et al. v. 4H Construction Corporation, et al.)
- Circuit Court, Mobile Co. AL, Case CV-2017-901296 (Handico v. Barry's U-Pull-It Auto Parts)

2018

- U.S. District Court, Southern District of MS, Case 1:17CV130 LG-RHW (Gulf Restoration Network v. Oscar Renda Contracting)

2009

- Circuit Court, Mobile Co. AL, Case CV-08-901850 (Kendrick v. Roberts Brothers)

2006

- Circuit Court, Lincoln Co. MS, Case CI2006-0064-LT (McCullough v. Denbury Onshore)

2003

- Circuit Court, Marion Co. MS, (Jacobs, et al. v. Plantation Pipeline Company)

1999

- U.S. District Court, Southern District of MS, Case 5:98CV63brsf (Pennzoil Exploration and Production Company v. Ramsay, et al.)

1994

- U.S. District Court, Southern District of MS, Case 1:94CV108BrR (Ritzer, et al. v. T.L. James Construction, et al.)

Reports

2023

- Circuit Court, Mobile Co. AL, Case CV-2022-901719.00 (Aldana v. Faison)

2022

- U.S. District Court, Northern District of AL, Case 2:18-CV-1693-RDP (supplemental report, Winther v. U.S. Steel, et al.)
- Chancery Court, Jackson Co. MS, Case 30CH1:21-cv-01737-DNH 9 (Grace, et al. v. Big Yella, et al.)
- Circuit Court, Baldwin Co. AL, Case CV-2020-900699 (Vaughn, et al. v. Smith, et al.)
- Armed Services Board of Contract Appeals, Case ASBCA No. 628162021 (expert and rebuttal reports, HGL v. USACE)

2021

- Circuit Court, Mobile Co. AL, Cases CV-2018-902210 and CV-2017-901263 (expert and rebuttal reports, SWDA, et al. v. WMMBEC, Inc., et al.)
- Circuit Court, Shelby Co. AL, Case CV-2021-900353 (Welch v. City of Chelsea, et al.)
- District Court, Te Awamutu, New Zealand, Case CIV-2020-072-76 (Atkinson v. Waipa District Council)
- U.S. District Court, Northern District of MS, Case 3:19cv213-NBB-RP (Seale v. MDOT, et al.)
- Chancery Court, Jackson Co. MS, Case 2019-2010 MAM (expert and rebuttal reports, Guice v. Borries)
- Circuit Court, Marengo Co. AL, Case CV-09060 (Allen, et al. v. CEMEX, et al.)
- Circuit Court, Mobile Co. AL, Case 02-CV-2020-901477.00 (expert and rebuttal reports, Carpenter v. Crown Pointe HOA, et al.)
- 19th Judicial District Court, East Baton Rouge Parish LA, Case 684270 SEC. C (Raby v. Fakouri, et al.)

2020

- U.S. District Court, Middle District of LA, Case 18-CV-457 9 (Case involving a collision between the dredge Big Bear and the tugboat Trey Paul)
- U.S. District Court, Northern District of AL, Case 5:15-CV-01750-AKK (West Morgan-East Lawrence Water and Sewer Authority, et al. vs. 3M Company, et al.)

- 14th Judicial District Court, Calcasieu Parish LA, Case 2017-3 (Central Crude v. Liberty Mutual Insurance Company, et al.)

2019

- 3rd Judicial District Court, Union Parish LA, Case 05-CV-2017-900126[SPT] (Terral v. Union Parish School Board, et al.)
- 113th Judicial District Court, Harris Co. TX, Case 2018-49435 (Burke v. Devetski)
- Circuit Court, Baldwin Co. AL, Case 05-CV-2017-900126[SPT] (Blair v. City of Orange Beach, et al.)
- U.S. District Court, Northern District of AL, Case 2:18-CV-1693-RDP (Winther v. U.S. Steel, et al.)
- Circuit Court, Mobile Co. AL, Case 02-CV-2016-901970.00 (Southern Pearl Oyster Farm, et al. v. 4H Construction Corporation, et al.)

2018

- U.S. District Court, Northern District of IL, Case 1:16-CV-09006 (Murawski v. Reid, et al.)
- U.S. District Court, Western District of TN, Case 2:17-CV-02228 (Allstate Insurance, et al. v. Peyton, et al.)

2017

- U.S. District Court, Southern District of MS, Case 1:17CV130 LG-RHW (Gulf Restoration Network v. Oscar Renda Contracting)
- Circuit Court, Baldwin Co. AL, Case CV2017-900424 (Henderson v. Coleman)
- Circuit Court, Marquette Co. MI, Case 16-54981-CZ (Republic Township, et al. v. Perry)

2016

- Circuit Court, Carroll Co. IN, Case 08C01-1402-CT-2 (Smith v. Walsh Construction, et al.)
- U.S. District Court, Southern District of MS, Case 1:15-CV-185 LG-RHW (Weiss Residential Realty, et al. v. EMS, et al.)

2015

- ICDR/AAA Arbitration, Case 50 20 1200 0450 (expert and rebuttal reports, Ergon-West Virginia v. Shell Oil Products)

2010

- U.S. District Court, Southern District of AL, Case 1:09-CV-00187-CG-M (Gulf Coast Asphalt Company v. Chevron)

2006

- Circuit Court, Lincoln Co. MS, Case CI2006-0064-LT (McCullough v. Denbury Onshore)

2003

- Circuit Court, Marion Co. MS, (Jacobs, et al. v. Plantation Pipeline Company)

1999

- U.S. District Court, Southern District of MS, Case 5:98CV63brsf (Pennzoil Exploration and Production Company v. C. Pat Ramsay and Delta Logging and Company)

1998

- Circuit Court, Hinds Co. MS, Case 25CI1:96-CV-00511-WLK (Smith, et al. v. Chevron)

1994

- U.S. District Court, Southern District of MS, Case 1:94CV108BrR (Ritzer, et al. v. T.L. James Construction, et al.)

Other Expert Disclosures (No Reports or Testimony)

2023

- Circuit Court, 17th Judicial Circuit in and for Broward Co. FL, CACE-21-002438 (Katzman Chandler v. Cypress Airpark, et al.)
- Circuit Court, Mobile Co. AL, 02-CV-2022-901103.00 (J. Walter v. Adams Homes, et al.)

2022

- Circuit Court, Marshall Co. AL, 50-CV-2017-900310.00 (Preston Health, et al. v. Fyffe Construction, et al.)

2021

- Circuit Court, Marshall Co. AL, CV-2011-079 (M. Burnett v. W. Dickson, et al.)

2018

- Circuit Court, Conecuh Co. AL, 21-CV-2015-900087 (A. Williams v. Evergreen Housing Authority)

2017

- Circuit Court, Baldwin Co. AL, 05-CV-2017-900257 (J. Pittman, et al. v. City of Spanish Fort)

TEACHING/STUDENT MENTORSHIP

University Courses and Seminars Taught (University of South Alabama)

- Hydrology (Graduate and undergraduate levels)
- Contaminant Hydrology/Hydrogeology (Graduate and undergraduate levels)
- Water-Supply Hydrogeology (Graduate- and undergraduate-level seminars)
- Geophysics (Undergraduate level)
- Groundwater Modeling (Graduate- and undergraduate-level seminars)
- Geology Field School (Undergraduate level)
- Earth History and Physical Geology (Undergraduate level)

Student Researchers Mentored (University of South Alabama)

- Environmental Toxicology Graduate Students (as Thesis Committee Chair): 7
- Biology Graduate Students (as Thesis Committee Member): 2
- Civil Engineering Graduate Students (as Thesis Committee Member): 1
- Environmental Toxicology Graduate Students (as Thesis Committee Member): 6
- Marine Sciences Graduate Students (as Thesis Committee Member): 1
- Undergraduate Honors Program Students (as Thesis Committee Chair): 1
- Interdisciplinary Studies Students Undergraduate Theses (as Thesis Committee Chair): 2
- University Committee on Undergraduate Research (UCUR) Students (as Mentor): 4
- Directed Research Undergraduate Students (as Advisor): 42

RECENT CONTINUING EDUCATION/TRAINING

2023

Science of Chemical Releases course, NOAA Office of Response and Restoration, 3.6 CEUs

ICS-100: Introduction to the Incident Command System course, Safety Unlimited, Inc., 0.3 CEUs

ICS-700: Introduction to the National Incident Management System course, Safety Unlimited, Inc., 0.3 CEUs

Flood Disaster Awareness Training course, Safety Unlimited, Inc., 0.3 CEUs

Construction General (stormwater) Permit Site Inspector course and certification, U.S. Environmental Protection Agency, 0.7 CEUs

Stormwater Management (SWM): Managing Runoff course, Virginia Department of Environmental Quality, 0.1 CEU

Erosion and Sediment Controls (ESC) for Construction Sites (Modules 1-4) course, Virginia Department of Environmental Quality, 0.2 CEU

Erosion and Sediment Controls (ESC): Managing Erosion course, Virginia Department of Environmental Quality, 0.1 CEU

Stormwater BMP: Wet Ponds course, Virginia Department of Environmental Quality, 0.05 CEU

Drinking Water Professional Community Webinar on EPA's Proposed PFAS National Primary Drinking Water Regulation (NPDWR) webinar, U.S. Environmental Protection Agency, 0.1 CEU

Public Webinar on EPA's Proposed PFAS NPDWR webinar, U.S. Environmental Protection Agency, 0.1 CEU

PFAS Basics webinar, Eurofins/Test America, 1 PDH

PFAS in Source and Ambient Air webinar, Eurofins/Test America, 1 PDH

PFAS Sample Collection: State of the Science webinar, Eurofins/Test America, 1 PDH

PFAS Navigating Analytical Method Options webinar, Eurofins/Test America, 1 PDH

PFAS in Products webinar, Eurofins/Test America, 1 PDH

Advancing the Collection and Analysis of PFAS in Blood and Serum webinar, Eurofins/Test America, 1 PDH

The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) webinar, Eurofins/Test America, 1 PDH

A Deep Dive into the 3rd Draft of Method 1633 for PFAS webinar, Pace Analytical Services webinar: 0.1 CEU

HAZWOPER 40 Hour Trainer Certification - Train the Trainer course, Safety Provisions, Inc.

2022

Landfill Operations Basics course, Solid Waste Association of North America, 10 CEUs

Landfill Gas Basics course, Solid Waste Association of North America, 10 CEUs

PFAS 101: Impacts on Solid Waste Management webinar, Solid Waste Association of North America, 0.1 CEU

Post-Closure Guidance: Subtitle C Hazardous Waste Landfills webinar, Solid Waste Association of North America, 0.1 CEU

Asbestos Inspector course/certification, University of Alabama/UA SafeState, 2.4 CEUs

Asbestos Management Planner course/certification, University of Alabama/UA SafeState, 1.6 CEUs
Asbestos Awareness/General Industry and Construction course, Safety Unlimited, Inc., 0.2 CEU
PFAS Basics: An Introduction to the Chemistry, Sources, Regulation and Analysis webinar, Eurofins/Test America, 1 PDH

2021

Stormwater Management Certificate, University of New Hampshire/UNH Stormwater Center,

Courses:

- Stormwater Site Design course, 0.65 CEU
- Stormwater Hydrology course, 0.65 CEU
- Stormwater Modeling course, 0.65 CEU
- Stormwater Construction: Erosion and Sediment Controls course, 0.65 CEU
- Treatment System Design & Post Construction Performance Estimates (Part 2) course, 0.6 CEU

PFAS in Source and Ambient Air webinar, Eurofins/Test America, 1 PDH

PFAS Forensic Tools, TOF, TOP Assay and Non-Target Analysis webinar, Eurofins/Test America, 1 PDH

PFAS Navigating Analytical Method Options webinar, Eurofins/Test America, 1 PDH

PFAS Sample Collection: State of the Science webinar, Eurofins/Test America, 1 PDH

PFAS Basics webinar, Eurofins/Test America, 1 PDH

Urban Hydrology and Green Stormwater Infrastructure webinar, StormwaterONE, LLC, 1 PDH

2020

Emerging Contaminants - PFAS training, Interstate Technology and Regulatory Council (ITRC), 3.5 contact hours

2018

Stormwater, Erosion, and Sedimentation Control Inspector certification/training, Florida Department of Environmental Protection, 12 contact hours

Qualified Credentialed (stormwater) Inspector certification/training, Alabama Department of Environmental Management/Thompson Engineering, 7 contact hours

PUBLISHED ABSTRACTS

Connors, J., 2023. PFAS contamination of stormwater from landfill leachate seeps. Geological Society of America Abstracts with Programs, 55, 6

Connors, J., 2023. Potential for age-dating landfill leachate releases using PFAS compounds. Geological Society of America Abstracts with Programs, 55, 6

Connors, J. L., and Connors, J., 2023. Computer modeling of groundwater contamination caused by landfill leachate seeps. Geological Society of America Abstracts with Programs, 55, 6

Connors, J., 2022. Using PFAS analyses to trace landfill leachate releases. Geological Society of America Abstracts with Program, 54, 5

Connors, J., 2021. Utilization of aerial drones by an expert witness in hydrology- and environmental-related litigation. Geological Society of America Abstracts with Program, 53, 2

Connors, J., Connors, J. L., Jackson, J. L., and Engle, R. A., 2017. Prediction of hydrocarbon surface seepage potential using infiltrometer data. Abstracts with Program: American Geophysical Union Annual Meeting, New Orleans LA, 12/12/17

Connors, J., 2014. Subsurface occurrence, fate, and transport factors associated with arsenic in shallow groundwater at several rural locations in the southeastern U.S. Geological Society of America Abstracts with Program, 46, 3

Connors, J., 2012. Groundwater discharge and associated nitrogen transport in a northern Gulf Coast Estuary. Transactions: Gulf Coast Association of Geological Societies and the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists, 62, p. 691

Connors, J., 2012. Using easily accessible subsurface data to teach crucial geological skills. Transactions: Gulf Coast Association of Geological Societies and the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists, 62, p. 693

Connors, J., 2012. Interdisciplinary study of the headwaters of an impaired urban watershed. Geological Society of America Abstracts with Program, 44, 7

Connors, J., 2011. Use of readily available on-campus subsurface data to teach geological concepts and skills. Geological Society of America Abstracts with Program, 43, 3

Connors, J., 2010. Natural attenuation of dissolved chlorinated solvents along a flow path from an oxidized karstic aquifer to an anaerobic hyporheic discharge zone. Geological Society of America Abstracts with Program, 42, 5

McCullough, K., and Connors, J., 2010. Baseline data collection for a restoration design at a coastal river property. Geological Society of America Abstracts with Program, 42, 5

Connors, J., 2010. Natural attenuation of dissolved chlorinated solvents along a flow path from an oxidized karstic aquifer to an anaerobic hyporheic discharge zone. Geological Society of America Abstracts with Program, 42, 5

Warner, D., and Connors, J., 2010. Use of long-term monitoring data sets to characterize storm surge impacts on shallow groundwater. Geological Society of America Abstracts with Program, 42, 1

Hall, C., Crumpton, C., and Connors, J., 2010. Use of shallow sediment grain-size analysis data to aid in future land development and stormwater management practices. Geological Society of America Abstracts with Program, 42, 1

Connors, J., 2009. Storm-surge induced water-quality changes in an unconfined coastal aquifer system. Geological Society of America Abstracts with Program, 41, 1

Connors, J., 2008. Fate and transport of inorganic nitrogen along groundwater flow paths in a coastal aquifer system. Geological Society of America Abstracts with Program, 40, 6

PROFESSIONAL CONFERENCE SESSIONS CHAIRED

Frisbee, M., Connors, J., 2023. Recent Advances in Hydrogeology. Geological Society of America Annual Meeting/GSA Connects 2023, Pittsburgh PA, 10/18/23

Connors, J., Fernandez, E., Rogers, S., Singh, K. 2021. UAS applications in the geosciences. Geological Society of America Southeastern Section Meeting, Auburn AL, 4/2/21

Beckingham, B., Callahan T., Connors, J., DeVoe, R., Vulava, V., 2019. Applications of hydrology and biogeochemistry to stormwater management. Geological Society of America Southeastern Section Meeting, Charleston SC, 3/28/19

INVITED PRESENTATIONS

- PFAS in landfill leachate: Research and practice. 27th Annual Joint Engineering Societies Conference, Lafayette LA, 2/23/23
- Hydrological uniformitarianism. Mobile Rock and Gem Society meeting, Mobile AL, 6/12/18
- Lead contamination in our water supply. Gulf Region Health Outreach Program Emerging Scholars Health Sciences Academy Workshop, Mobile AL, 3/24/17
- Emerging environmental contaminants: New threats, new approaches, new practices. Gulf Region Health Outreach Program Emerging Scholars Health Sciences Academy Workshop, Mobile AL, 3/21/16
- The University of South Alabama Center for Environmental Resiliency: Developing multidisciplinary, research-based environmental solutions. Bays & Bayous 2014: The Building Blocks of Coastal Resilience, Mobile AL, 12/2/14
- Private-sector geoscience research and project opportunities, Federal Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) grant programs. Meeting of the Southwest Alabama Geological Society, Mobile AL, 1/15/08
- International education and research collaboration in the U.S. 2nd International Conference on Advances in Electrical Engineering, Dhaka Bangladesh, 12/19/13
- Geological resources, reserves, and valuations along the northern Gulf Coast. Understanding the Financial Advantages of Land Conservation, Advanced Seminar on Conservation Easements, Mobile AL, 8/22/13
- Bridging the gap between sponsored programs and principal investigators. Society of Research Administrators, Alabama Chapter Annual Meeting, Daphne AL, 8/23/13
- Research into storm-surge remobilization of subsurface contamination. Fuzhou University Zhicheng College, Fuzhou China, 3/11/13
- Quantifying environmental impacts of the Deepwater Horizon oil spill. Nurses & Environmental Health: Health Consequences of the Gulf Oil Spill Conference, Mobile AL, 11/19/10
- Occurrence of oil and gas in the Gulf of Mexico (Keynote Speaker). NOAA Lessons from the Deep: Exploring the Gulf of Mexico's Deep-Sea Ecosystems, 10/11/10
- Oil and gas in the Gulf of Mexico - A primer. Gulf of Mexico Alliance Governors' Action Plan II (All Hands) Meeting, Biloxi MS, 8/3/10
- Designing effective construction sediment and erosion plans. Weeks Bay Reserve Nonpoint Source Pollution and Stormwater Workshop, Fairhope AL, 7/19/06
- The geology of erosion. Soils, Stormwater, and Watershed Protection: Tools for Managing Erosion Workshop, Mobile AL, 12/7/06
- Welcome to the Ice Age - Geological evidence for climate change over time. 1st Southeastern Coastal and Atmospheric Processes Symposium, Mobile AL, 3/31/07
- Geological constraints on stormwater runoff in the Mobile Bay area. NOAA Community Leader Stormwater Training Workshop for Coastal Alabama, Mobile AL, 12/15/05
- Nitrate fate and transport in groundwater, Weeks Bay, Alabama. Weeks Bay Reserve Research Symposium: 20-year Designation Anniversary, Fairhope AL, 4/22/05
- Groundwater monitoring at RCRA Subtitle D landfills. 1993 Solid Waste Association of North America Mississippi Chapter Symposium, Biloxi MS, 4/8/93
- Groundwater contamination assessment. Mississippi Environment 1990, Jackson MS, 3/22/90

SERVICE ACTIVITIES**Professional**

Geological Society of America:

Member, Membership and Fellowships Committee, 2023-26

Member, Professional Development Committee, 2020-23 (Chair, 2022-23)

Mentor, John Mann Applied Hydrogeology Mentorship Program, 2019

Judge, Edward K. Aldag, Jr. Business Plan Competition, Alabama Entrepreneurship Institute, University of Alabama, 2018

Member, University of Alabama Department of Geological Sciences Advisory Board, 2017-19

Judge, Hydrology Section, Outstanding Student Paper Awards, American Geophysical Union Fall Meeting, 2017

Member, Southwest Alabama Geological Society, 2009-11 (President, 2009-11)

Community

Judge, Conrad Foundation Spirit of Innovation Challenge, 2016-17

Judge, Australian Conrad Spirit of Innovation Challenge, 2017-18

Member, Board of Directors, Mobile (Alabama) Symphony Orchestra, 2014-16

Member, Three Mile Creek Restoration Plan Advisory Board, 2013-14

Member, Weeks Bay Foundation Habitat Restoration and Management Advisory Board, 2010-11

Advisor, Governor's Coastal Recovery Commission Higher Education Subcommittee (Alabama), 2010

Science Advisor, NASA Develop Program, 2009-11

Instructor, Twenty-first Century Community Learning School Summer Science Camp, 2007

Instructor, World Wildlife Fund Allianz Southeast Climate Camp, 2008

Instructor, Cub Scouts Geology Belt Loop Award, 2007-15

Member, Smart Coast Board of Directors, 2007-11 (Secretary, 2009-11)

Director, Mobile Regional Science and Engineering Fair, 2005-14

Member, Mobile County Public School System Science Textbook Committee, 2005-06

Academic (University of South Alabama, unless otherwise noted)

Member, Council of Academic Deans, 2015-16

Member, National Alumni Association Board of Directors, 2011-16

Member, Academic Success and Retention Committee, 2015-16

Member/Chair, Global Engagement Committee - Research Subcommittee, 2014-15

Member, University Committee on Undergraduate Research, 2014-15

Member/Chair, Council on International Education and Scholarship, 2013

Member/Chair, School of Continuing Education & Special Programs Curriculum Development Committee, 2012-13

Member/Chair, School of Continuing Education & Special Programs Grant Development/Research Committee, 2012-13

Member/Chair, School of Continuing Education & Special Programs Strategic Planning Committee, 2012-13

Faculty Advisor, Society of American Military Engineers Student Chapter, 2011-12
 Member, University Sustainability Committee, 2011-12
 Member, University Environmental and Safety Committee, 2010-13
 Member, Environmental Toxicology Graduate Program Advisory Board, 2010-12
 Member, Commencement Speaker Advisory Committee, 2010-12
 Member, Reaccreditation Leadership Team, 2010-11
 Member, University Budget Council, 2010-12
 Member, Athletics Council, 2010-11
 Member, Committee on Electronic Learning, 2010-11
 Member, Advisory Committee on Diversity, 2009-12
 Member, Academic Affairs Policy Committee, 2009-12 (Chair, 2010-11)
 Member, Long-range Planning Committee, 2009-12
 Faculty Advisor, Student Sustainability Council, 2008-12
 Member, Conflict of Commitment and Financial Interest Committee, 2008-12 (Chair, 2012)
 Member, Faculty Awards Committee, College of Arts and Sciences, 2008-10
 Member/Chair, Field Trip Safety Committee, Department of Earth Sciences, 2006-10
 Member/Chair, Geology Program Assessment Committee, Department of Earth Sciences, 2007-12
 Member, College of Arts and Sciences Scholarship Committee, 2005-06
 Search Committees:

- Associate Dean, College of Education (Chair), University of South Alabama, 2013
- Director, International Education Programs (Chair), University of South Alabama, 2013
- Associate Dean, College of Art and Sciences, University of South Alabama, 2011
- Assistant Dean, College of Art and Sciences, University of South Alabama, 2011
- Dean, School of Continuing Education, University of South Alabama, 2010
- Dean, College of Arts and Sciences, University of South Alabama, 2009
- Chairperson, Department of Earth Sciences, University of South Alabama, 2006

MEDIA APPEARANCES

Print/Online

Time.com, “Why a grocery chain is pulling water bottled 25 miles from the East Palestine derailment”, S. Mansoor, 2/27/23
 The Dothan Eagle, “SoZo encourages innovative disruptions at leadership meeting”, E. Davis, 9/9/15
 Gulf Coast News Today, “South Alabama expanding Gulf Shores campus”, J. Mullen, 7/24/15
 BARTA 24 Bangladesh, “International University of Business, Agriculture, and Technology (Bangladesh) and University of South Alabama educational agreements”, Z. Hossain, 12/18/13
 Mobile Press-Register, “Water worries building in Baldwin County”, B. Raines, 10/23/11
 Mobile Press-Register, “USA scientists want to set up real-time air monitoring system”, R. Henderson, 7/3/10
 Mobile Press-Register, 2/17/08, “Weeks Bay harmful blooms”, by R. Dezember

Television

FOX Weather Channel, 9/25/23, “FOX Weather Live”, live interview on the Mississippi River saltwater wedge (<https://www.foxweather.com/earth-space/salt-water-threatens-louisiana-drinking-water-supply>)

NBC Connecticut, 11/12/22, “A homeowner's nightmare: Deserted Coventry land causing problems for neighbor”, by C. Burchill and S. Pancione (<https://www.nbcconnecticut.com/investigations/nbc-ct-responds/a-homeowners-nightmare-deserted-coventry-land-causing-problems-for-neighbor/2920645/>)

WTVY News, 7/28/15, “East meets West, a report on the Huawei Corporation”, by M. Hackett

ATN BANGLA (Bangladesh), 12/18/13, “International agreement between the University of South Alabama and the International University of Business, Agriculture, and Technology of Bangladesh”

Fox 10 News, 11/11/13, “Reality check: Cancer cluster study”, by A. Ramey

WKRG News 5, 4/30/10, live in-studio interview on the Deepwater Horizon blowout

Radio

FM Talk 106.5 Morning Show, 9/14/11, live interview on a Birmingham AL earthquake

FM Talk 106.5 Morning Show, 3/11/11, live interview on the Great East Japan Earthquake

FM Talk 106.5 Morning Show, 2/21/11, live interview on a Gulf Shores AL earthquake

FM Talk 106.5 Morning Show, 7/20/10, live interview on methane from Deepwater Horizon oil spill

WHIL FM, 6/26/10, Alabama Public Radio, “Mobile Matters”, recorded interview on the “Deepwater Horizon oil spill”

end