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 The Water Institute  
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**EDUCATION**

Florida International University	Miami, FL	Geosciences	Ph.D., 2008
University of New Orleans	New Orleans, LA	Geology	MS, 2000
Tulane University	New Orleans, LA	Geology	BS, 1996

**RESEARCH INTERESTS**

Structured decision making, water resources management, surface water-groundwater interaction, saltwater intrusion, ecosystem restoration; monitoring and adaptive management.

**PROFESSIONAL EXPERIENCE**

The Water Institute	Senior Vice President and Chief Scientist	2020–Present
	Vice President for Science	2017–2020
Louisiana State University	Adjunct Professor	2023–Present
Gulf Coast Ecosystem Restoration Council	Science Director	2015–2017
United States Geological Survey	Science Advisor and Coordinator	2011–2015
	Hydrologist	2000–2011
University of New Orleans	Teaching Assistant	1997–1999
Tulane University	Lab Technician	1995–1996
Tulane University/National Oceanographic and Atmospheric Association	Diver/Research Assistant	1995

**PROFESSIONAL SOCIETY MEMBERSHIPS**

- American Geophysical Union
- International Association for Energy Economics
- U.S. Department of State Bureau of Educational & Cultural Affairs Fellows Alumni
- Gulf Coast Ocean Observing System
- Seaside Institute

## **AWARDS AND HONORS**

- New Orleans CityBusiness Women of the Year Honoree, 2024
- Commemorative Service Award for Yoga Instruction to Naval Special Warfare Group 4, 2020
- Sigma Xi International Research Society
- Volunteer of the Year, Hospice Care, 2006
- Phi Beta Kappa, 1996
- Tulane Scholar, 1994–1999

## **TEACHING EXPERIENCE**

Leads training for Scientific Integrity at The Water Institute. Guest lecturer at Louisiana State University.

Lead trainings on (1) Structured Decision Making (2) SEAWAT and (3) Model Independent Parameter Estimation. Multiple trainings & workshops held across the United States. In addition, led trainings Internationally at the Ministry for the Environment in Armenia, National Geophysical Research Institute in India, the Mexican Hydrogeologic Association in Sonora Mexico, and at the 21st International Saltwater Intrusion Meeting in Portugal.

Head Teaching Assistant, University of New Orleans Geology Department, New Orleans, LA

## **COMMUNITY SERVICE**

Board of Directors	Newcomb Alumni Association, Tulane University	2025–Present
Mentor	Vistage Leadership Program	2024–Present
Yoga Manager	Loft Yoga/Treehouse Yoga	2017–2025
Yoga Instructor	Naval Special Warfare, Warriors at Ease	2014–2024
Board of Directors	Gulf Coast Ocean Observing System	2016–2024
Community Yoga Instructor for person with disability	Treehouse Yoga	2021–2023
Undergraduate Mentor	Newcomb Institute at Tulane University	2016–2020
Youth Mentor	Restoration Hope, South Africa	2016
Board of Directors & Groundwater resource evaluation	Build On Hope, Ft. Lauderdale, FL & Cap Haitian, Haiti	2010–2012
11 <sup>th</sup> Hour Volunteer	Hospice Care of Southeast Florida, Ft. Lauderdale, FL	2005–2010
Hospice Volunteer	Kalighat, the Home of the Pure Heart (formerly Mother Teresa's Kalighat Home for the Dying Destitutes), Kolkata, India	2009

Hospital Volunteer	Cure International, Kabul, Afghanistan	2006
Foster “Parent” for dogs	Grateful Paws Dog & Cat Rescue, Ft. Lauderdale, FL	2001-2010
Hydrogeologist & Driller	Lifewater International, Haiti	1997
Small Group Coordinator	InterVarsity Christian Fellowship, Tulane University	1995–1996
ACT Tutor	Desire Street Ministries, Desire Housing Projects, New Orleans, LA	1994–1996

**TRAINING COURSES**

- USGS Leadership
- Structured Decision Making
- Elicitation and Facilitation for Structured Decision Making
- MODFLOW-2000
- MT3D/MS
- Water Quality Modeling
- Biogeochemistry of Wetlands
- Calibration and Uncertainty of Models
- PEST-Model Independent Parameter Estimation
- Heat as a Tracer
- SEAWAT

**NOTABLE PROJECTS**

**Chief Scientist/The RESTORE Act Center of Excellence for Louisiana (LA-COE)** Current  
*Coastal Protection and Restoration Authority (CPRA)*

The mission of the RESTORE Act Center of Excellence for Louisiana (LA-COE) is to provide research directly relevant to implementation of Louisiana’s Coastal Master Plan by administering a competitive grants program and providing the appropriate coordination and oversight support to ensure that success metrics are tracked and achieved. Currently in its third funding cycle, the LA-COE oversees nearly \$4M in research funding.

**Principal Investigator/Structured Decision-Making to Support Long-Term Strategic Planning** Current

*Capital Area Ground Water Conservation Commission (CAGWCC)*

The Institute is working with CAGWCC and other stakeholders to identify and evaluate feasible and cost-effective, science-based alternatives to meet long-term water needs through evaluation of the current science available on groundwater use and to identify management alternatives. The aim is to develop a strategic plan for the long-term water supply for users in the district.

**Principal Investigator/Installations, Energy and Environment Technology Innovation Strategy (TIS)** Current

*U.S. Army Corps of Engineers*

Developed a TIS in partnership with USACE to support the Army in meeting current and projected modernization requirements, and to ensure that installations and field operations can sustain and integrate the technologies necessary to face the toughest

challenges related to IE&E. The TIS was developed in close coordination with the Directors of the Environmental Laboratory (EL) and Construction Engineering Research Laboratory (CERL) of the Engineer Research and Development Center (ERDC), as well as other key USACE personnel, with direct input from the Chief of Engineers and Assistant Secretary of the Army, Installations, Energy and Environment.

- Principal Investigator/USACE Research & Development Strategy** 2021  
*U.S. Army Corps of Engineers*  
Led an interdisciplinary team that facilitated the development of a strategy for elevating and coordinating programmatic research development across the entirety of the USACE R&D portfolio.
- Data Synthesis** 2016–2020  
*Science for Nature and People Partnership (SNAPP) and National Center for Ecological Analysis and Synthesis (NCEAS)* As part of the Coastal Restoration Working Group, is working to better define governmental agency needs for decision making, assessing past restoration projects, and developing tools that will help future decision making through comprehensive data assimilation and analysis.
- Science Director/Initial Funded Priorities List** 2014–2015  
*Gulf Coast Ecosystem Restoration Council*  
Lead on developing the first set of restoration projects approved for over \$156 million in funding for the Gulf Coast Ecosystem Restoration Council.

## **PUBLISHED WORKS**

### **Peer-Reviewed Publications**

- Carruthers, T.J., Jones, B., Terrell, M.K., Scheibly, J.F., Player, B.J., Black, V.A., Ehrenwerth, J., Biber, P., Connolly, R.M., Crooks, S., Curole, J.P., Darnell, K.M., Dausman, A., DeJong, A.L., Doyle, S.M., Esposito, C.R., Friess, D., Fourqurean, J.W., Georgiou, I. Y., Grimsditch, G.D., He, S., Hillman, E.R., Holm, G.O., Howard, J., Jung, H., Jupiter, S., Kiskaddon, E., Krauss, K.W., Lavery, P.S., Liu, B., Lovelock, C., Mack, S.K., Macreadie, P.I., McGlathery, K., Megonigal, J.P., Roberts, B.J., Settlemyer, S., Staver, Stevens, H.J., Sutton-Grier, A., Villa, J.A., White, J.R., Waycott, M. (2024) Identifying and filling critical knowledge gaps can optimize financial viability of blue carbon projects in tidal wetlands. *Frontiers in Environmental Science*, 12.
- Mohamed, A., Yang, S., Chen, Y., Tsai, F., & Dausman, A. (2024). Complex unstructured-grid groundwater modeling using centroidal Voronoi tessellation refinement and curve fitting. *Journal of Hydrology*, 637.
- Hemmerling, S. A., Haertling, A., Shao, W., Di Leonardo, D., Grismore, A., & Dausman, A. (2024). “You turn the tap on, the water’s there, and you just think everything’s fine”: A mixed methods approach to understanding public perceptions of groundwater management in Baton Rouge, Louisiana, USA. *Frontiers in Water*, 6, 1289400
- Kiskaddon, E., Dalyander, P. S., DeJong, A., McHugh, C., Parfait, J., Littman, A., Hemmerling, S. A., & Dausman, A. (2023). Evaluation of emission reduction and other societal and environmental outcomes: Structured decision making for the Louisiana climate action plan. *Journal of Environmental Management*, 345(118936).
- Chen, Y.-H., Vahdat-Aboueshagh, H., Tsai, F., Dausman, A., & Runge, M. (2023). Unstructured-grid approach to develop high-fidelity groundwater model to understand groundwater flow and storage responses to excessive groundwater withdrawals in the Southern Hills Aquifer System in southeastern Louisiana. *Journal of Hydrology: Regional Studies*, 46.

- Baustian, M., Liu, B., Moss, L., Dausman, A., & Pahl, J. (2023). Climate change mitigation potential of Louisiana's coastal area: Current estimates and future projections. *Ecological Applications*, 33(4).
- Carruthers, T. J. B., Raynie, R., Dausman, A., & Khalil, S. (2020). Strategies to improve implementation of adaptive management practices for restoration in coastal Louisiana. *Shore & Beach*, 88(1), 83–91.
- Henkel, J.R., & Dausman, A. (2020). A short history of funding and accomplishments post-Deepwater Horizon. *Shore & Beach*, 11–16.
- Moss, L. C., Carruthers, T. J. B., Bienn, H., McInnis, A., & Dausman, A. (2020). Gulf-wide data synthesis for restoration planning: Utility and limitations. *Shore & Beach*, 88(1), 23–33.
- DeAngelis, B.M., Sutton-Grier, A.E., Colden, A., Arkema, K.K., Baillie, C. J., Bennett, R.O., Benoit, J., Blitch, S., Chatwin, A., Dausman, A., Gittman, R.K., Greening, H.S., Henkel, J. R., Houge, R., Howard, R., Hughes, A.R., Lowe, J., Scyphers, S.B., Sherwood, E. T., Westby, S., Grabowski, J.H. (2020). Social Factors to Landscape-Scale Coastal Restoration: Lessons Learned from Three U.S. Case Studies. *Sustainability*, 12, 869.
- Gittman, R., Baillie, C., Arkema, K., Bennett, R., Benoit, J., Blitch, S., Brun, J., Chatwin, A., Colden, A., Dausman, A., DeAngelis, B., Herold, N., Henkel, J., Houge, R., Howard, R., Hughes, A. R., Scyphers, S., Shostik, T., Sutton-Grier, A., & Grabowski, J. (2019). Voluntary restoration: Mitigation's silent partner in the quest to reverse coastal wetland loss in the USA. *Frontiers Marine Science*, 6.
- Arkema, K., Bennett, R., Dausman, A., & Materman, L. (2019). United States: Blending finance mechanisms for coastal resilience and climate adaptation. In L. Mandle, Z. Ouyang, J. E. Salzman, & G. Daily (Eds.), *Green growth that works: Natural Capital Policy and Finance Mechanisms Around the World*. Island Press.
- Kolker, A., Dausman, A., Allison, M., Brown, G., Chu, P., de Mutsert, K., Fitzpatrick, C., Henkel, J. R., Justic, D., Kleis, B., McCoy, E., Meselhe, E., & Parsons Richards, C. (2018). Research informed approaches to managing the river-dominated coastal zone: Insights from the Mississippi River, its delta and plume. *Eos*.
- Sutton-Grier, A. E., Gittman, R. K., Arkema, K. K., Bennett, R. O., Benoit, J., Blitch, S., Burks-Copes, K. A., Colden, A., Dausman, A., DeAngelis, B. M., Hughes, A. R., Scyphers, S. B., & Grabowski, J. H. (2018). Investing in natural and nature-based infrastructure: Building better along our coasts. *Sustainability*, 10(2), 523.
- Canales, A. G., Velazquez, C. E., Islas, L., Hanson, R. T., & Dausman, A. (2016). Modelo Seawat para intrusión salina en el acuífero de Boca Abierta, Sonora. *Tecnología y Ciencias Del Agua*, 7(4), 155–160.
- Bakker, M., Schaars, F., Dausman, A., Hughes, J., & Langevin, C. (2012). Documentation of the sea-water intrusion (SWI) package for modeling sea-water intrusion with MODFLOW-2005. In *USGS Techniques and Methods Book*.
- La Licata, I., Langevin, C. D., Dausman, A. M., & Alberti, L. (2011). Effect of tidal fluctuations on transient dispersion of simulated contaminant concentrations in a coastal aquifer. *Journal of Hydrology*, 23.
- Dausman, A. (2010). *Variable-density flow of groundwater: Quantifying the effects of temperature and concentration in numerical models of variable-density groundwater flow* [Doctor of Philosophy in Geosciences]. Florida International University.
- Dausman, A., Doherty, J., & Langevin, C. (2009). Hypothesis testing of buoyant plume migration using a highly parameterized variable-density groundwater model at a site in Florida, USA. *Journal of Hydrogeology*.
- Taniguchi, M., Dausman, A., Howard, K., Polemio, M., & Lakshmanan, E. (2009). Trends and sustainability of groundwater in highly stressed aquifers. *International Association of Hydrological Sciences*, 329, 312.
- Langevin, C., Dausman, A., & Sukop, M. (2009). Solute and heat transport model of the Henry and Hilleke Laboratory Experiment. *Ground Water*.
- Dausman, A., Doherty, J., & Langevin, C. (2009). Quantifying data worth toward reducing predictive uncertainty. *Ground Water*.
- Dausman, A., Langevin, C., & Sukop, M. (2007). Simulation of submarine groundwater discharge salinity and temperature variations: Implications for remote detection. In W. Sanford, C. Langevin, M. Polemio, & P. Povinec (Eds.), *A new focus on groundwater-seawater interactions* (pp. 272–280).
- Dausman, A., Langevin, C., & La Licata, I. (2007). Effect of tidal fluctuations on contaminant transfer to the ocean. In W. Sanford, C. Langevin, M. Polemio, & P. Povinec (Eds.), *A new focus on groundwater-seawater interactions* (pp. 334–341).
- Easley, D., Gaubert, A., Dausman, A., & Stoessell, R. (2003). *Modeling of salinity and temperature effects upon ground water in the surficial carbonate aquifer, Yucatan Peninsula, Mexico*.

## Technical Reports

- Littman, A., R. Collini, A. Haertling, P. Kane, J. Bernard, A. Dausman, C. Milliken (2024). Walton County State of Resilience. The Water Institute. Funded by the Seaside Institute. Seaside, FL.
- A. Littman, C. Craig, R. Collini, A. Dausman, M. Avery, L. Burwell, R. Davis, J. Ervin, M. Gates, J. Goldberg, T. Goodhart, L. Hughes, C. Milliken, L. Moore, L. Tiu, T. Tolbert, J. Zehnder (2024). Resilience in Walton County Workshop Report. Gulf Center for Equitable Climate Resilience. The Water Institute. DeFuniak Springs, FL.
- DeJong, A., Dalyander, P. S., Parfait, J., Kiskaddon, E., Dausman, A. M., McHugh, C. M., Misra, S., & Hemmerling, S. A. (2022). *Consequence analysis of the draft portfolio of climate strategies and actions* (Technical Memorandum 2020–18; p. 121). The Water Institute of the Gulf. Prepared for and funded by the Louisiana Governor’s Office of Coastal Activities under Executive Order JBE 2020-18.
- DeJong, A., Dalyander, S., Parfait, J., Kiskaddon, E., Dausman, A., McHugh, C., Misra, S., & Hemmerling, S. (2022). *Consequence analysis of the draft portfolio of climate strategies and actions: In support of the Climate Initiatives Task Force development of a Louisiana Climate Action Plan* (p. 106) [Technical memorandum]. The Water Institute of the Gulf. Prepared for and funded by the Louisiana Governor’s Office of Coastal Activities under Executive Order JBE 2020-18.
- Di Leonardo, Diana, Alyssa Dausman, Ryan Clark, Michael Runge, Soupy Dalyander, Scott Hemmerling, Audrey Grismore, Jason Afinowicz, Philip Taucer, Jordan Skipwith, Frank Tsai (2022). Long-term strategic plan for The Capital Area Ground Water Conservation Commission: Phase 2A Final Report. The Water Institute of the Gulf. Prepared for and funded by the Capital Area Ground Water Conservation Commission.
- Dalyander, P. S., Miner, M. D., Khalil, S., Lee, D. M., Leblanc, W., Newman, A., Cameron, C., & Leonardo, D. D. (2021). *Barrier Island System Management (BISM): A holistic system-approach to adaptively manage Louisiana’s barrier islands and headlands* (p. 115). The Water Institute. Produced for and funded by the Coastal Protection and Restoration Authority (Task Order 73).
- Kiskaddon, E., Green, M., Hemmerling, S. A., & Carruthers, T. J. B. (2021). *Application of the SECAS Gulf-wide data suite in restoration planning* (p. 49) [Case study of Louisiana’s 2017 Coastal Master Plan]. The Water Institute of the Gulf & Royal Engineers & Consultants, LLC. For the U.S. Fish and Wildlife Service via cooperative agreement F20AC00082.
- Deepwater Horizon Louisiana Trustee Implementation Group. (2021). *Louisiana Trustee Implementation Group Monitoring and Adaptive Management Strategy* (p. 55). Deepwater Horizon Louisiana Trustee Implementation Group.
- The Water Institute of the Gulf. (2020). *Louisiana adaptive management status and improvement report: Vision and recommendations* (Technical Document Task Order 50.2, Contract No. 2503-12-58; p. 202). Prepared for the Coastal Protection and Restoration Authority and the Louisiana Trustee Implementation Group.
- Runge, M. C., Bean, E. A., McInnis, A., & Dausman, A. (2020). *Framework for a long-term strategic plan for the Capital Area Groundwater Conservation Commission* (Task Order No. 70, Cooperative Endeavor Agreement No. 2503-12-58; p. 27). The Water Institute of the Gulf. Produced for and funded by the Capital Area Groundwater Conservation Commission.
- McInnis, A., Clark, F. R., Hemmerling, S. A., & Dausman, A. (2020). *State of the science to support long-term water resource planning* (p. 122). The Water Institute of the Gulf, produced for and funded by the Capital Area Groundwater Conservation Commission and the Coastal Protection and Restoration Authority.
- Dalyander, P. S., Miner, M., Dausman, A., Cameron, C., Dudeck, N., & Georgiou, I. (2020). *Numerical modeling of the Louisiana, Mississippi, and Alabama coastal system (LMACS): Model inventory and recommendations* (p. 14). The Water Institute. Produced for and funded by the National Oceanic and Atmospheric Administration.
- The Water Institute of the Gulf. (2019). *Monitoring Plans for Louisiana’s System-Wide Assessment and Monitoring Program (SWAMP), Version IV* (Task Order 6, Contract No. 2503-12-58. Prepared for and funded by the Coastal Protection and Restoration Authority (CPRA); p. 235).
- Hanson, R. T., Chávez Guillén, R., Tujchneider, O., Rivera, A., Alley, W., Dausman, A., Batista, L., & Espinoza, M. (2015). Conocimientos básico científico y técnico necesarios para la evaluación y gestión de los SAT. In Organization of American States/UNESCO Publication (Ed.), *Estrategia regional para la evaluación y gestión de los sistemas acuíferos transfronterizos en las Americas* (pp. 79–124). Organization of American States/UNESCO Publication; USGS Publications Warehouse.
- Bakker, M., Schaars, F., Hughes, J., Langevin, C., & Dausman, A. (2013). Documentation of the seawater intrusion (SWI2) package for MODFLOW. In *U.S. Geological Survey Techniques and Methods* (p. 47).



- Dausman, A., Langevin, C., Thorne, D., & Sukop, M. (2009). *Application of SEAWAT to select variable-density and viscosity problems* (USGS Scientific Investigations Report 2009–5028). U.S. Geological Survey.
- Langevin, C., Thorne, D., Dausman, A., Sukop, M., & Weixing, G. (2008). SEAWAT Version 4: A computer program for simulation of multi-species solute and heat transport. In *U.S. Geological Survey Techniques and Methods* (Vol. 6, p. 39).
- Dausman, A., & Langevin, C. (2005). *Movement of the saltwater interface in the surficial aquifer system in response to hydrologic stresses and water-management practices, Broward County, FL* (Scientific Investigations Report SIR 2004-5256). U.S. Geological Survey.

### Regional Planning Reports

- Gulf Coast Ecosystem Restoration Council. (2016). *Comprehensive plan update 2016: Restoring the Gulf Coast's ecosystem and economy* (p. 32). Gulf Coast Ecosystem Restoration Council.
- Gulf Coast Ecosystem Restoration Council. (2015). *Resources and ecosystems sustainability, tourist opportunities, and revived economies of the Gulf Coast states act (RESTORE Act) initial funded priorities list* (p. 277).
- Gulf Coast Ecosystem Restoration Task Force. (2011). *Gulf of Mexico Regional Ecosystem Restoration Strategy* (pp. 1–119) [Final Strategy]. USEPA Gulf Coast Ecosystem Restoration Task Force.

### Conference Proceedings and Presentations

- Dausman, A. (2024). *Utilizing Structured Decision-Making to Integrate Data, Modeling, Science, & Community Values to Support Natural Resource Decision Making*. 2024 American Geophysical Union Conference: What's Next for Science? Washington D.C.
- Dausman, A. (2023). *Utilizing structured decision-making to integrate data, modeling, and science into policy formulation and implementation*. 2023 PEST Conference: The Path from Data to Decisions. La Jolla, CA.
- Dausman, A. (2022). *Long-term strategic water sustainability plan for groundwater resources*. UN-Water Summit on Groundwater 2022, Paris, France.
- Dausman, A., Dalyander, P. S., McHugh, C., DeJong, A., Kiskaddon, E., Hemmerling, S. A., LaGrone, L., Varhoff, H., Sutcliff, C., & Cooper, L. (2021). *Innovatively applying a structured decision-making framework to Louisiana climate action planning to reach net zero emissions by 2050 while maximizing equity outcomes*. American Geophysical Union (AGU) fall meeting.
- Carruthers, T., Raynie, R., Khalil, S., Dausman, A., & Kiskaddon, E. (2021). *Consensus SMART Objectives The Basis of Adaptive Management and Reporting for Coastal Habitat Restoration in Louisiana*. American Geophysical Union fall meeting.
- Chen, Y., Vahdat Aboueshagh, H., Mohamed, A., Tsai, F., Runge, M., & Dausman, A. (2021). *Unstructured-grid approach to model complex aquifer system and assess groundwater depletion in the capital area of Louisiana*. American Geophysical Union fall meeting, New Orleans, LA.
- DeJong, A., Dalyander, P. S., Dausman, A., McHugh, C., Kiskaddon, E., Hemmerling, S. A., Cooper, L., Sutcliffe, C., & Vorhoff, H. (2021, December). *Evaluating consequences to ecological, societal, and economic objectives through decision analysis under uncertainty in Louisiana's climate action planning process*. American Geophysical Union (AGU) fall meeting, New Orleans, LA.
- Baustian, M., Liu, B., Moss, L., Dausman, A., James, P., Vorhoff, H., & Sutcliffe, C. (2021). *Assessing the current and future potential carbon sink of Louisianas coastal habitats*. American Geophysical Union fall meeting, New Orleans, LA.
- Liu, B., Baustian, M., Moss, L., Dausman, A., Pahl, J., Vorhoff, H., & Sutcliffe, C. (2021). *Quantifying potential coastal carbon sinks of Louisianas habitats*. American Geophysical Union fall meeting, New Orleans, LA.
- Fetherston-Resch, L., Dausman, A., Steyer, G., Giordano, S., Perry, R., & Green, R. (2017). *Assessing the state of Gulf of Mexico benthic habitat maps*. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA.
- Dausman, A. (2016). *Science enterprises workshop bay delta program California program development and resource allocation related to the Gulf Coast Ecosystem Restoration Council*. The Science Enterprise Workshop: Supporting and Implementing Collaborative Science, Davis, CA.
- Green, R., Elfring, C., Dausman, A., & Murawski, S. (2014). *Current and future ecosystem-monitoring strategies in the Gulf of Mexico: Spanning disciplines, platforms, and affiliations*. 2014 Gulf of Mexico Oil Spill & Ecosystem Science Conference Report, New Orleans, LA.

- Dausman, A., & Steyer, G. (2012). *Utilizing the existing science, monitoring, and adaptive management framework from Louisiana's Master Plan to inform implementation of the Gulf of Mexico Regional Restoration Strategy*. Proceedings of the 2012 State of the Coast: Preparing for a Changing Future, New Orleans, LA.
- Dausman, A., Walker, S., & Lavoie, D. (2012). *Supporting Gulf of Mexico restoration: Issues, challenges, and solutions identified by the Gulf Coast ecosystem restoration task force science coordination team*. 9th INTECOL: International Wetlands Conference Proceedings. Orlando, FL.
- Dausman, A., Walker, S., & Lavoie, D. (2012). *Supporting Gulf of Mexico restoration: Issues, challenges, and solutions identified by the Gulf Coast ecosystem restoration task force science coordination team*. Proceedings of the 2012 Ocean Sciences Meeting, Salt Lake City, UT.
- Schaars, F., Bakker, M., Hughes, J., Dausman, A., & Langevin, C. (2011). *Modeling regional seawater intrusion with MODFLOW2005 and the SWI package*. MODFLOW and More: Integrated Hydrologic Modeling, Golden, CO.
- Brakefield, L., & Dausman, A. (2011). *Investigation of regional saltwater intrusion in two coastal aquifers in Florida using the SWI package for MODFLOW-2000*. 2011 NGWA Ground Water Summit, Baltimore, MD.
- Dausman, A., Langevin, C., Bakker, M., & Schaars, F. (2010). *A comparison between SWI and SEAWAT – The importance of dispersion, inversion, and vertical anisotropy*. SWIM21 Conference Proceedings, Azores, Portugal.
- Dausman, A. (2009). *Hypothesis testing of buoyant plume migration using a highly parameterized variable-density groundwater model*. VII Congreso Nacional De Aguas Subterranas, San Carlos Nuevo Guaymas, Sonora, Mexico.
- Dausman, A., Doherty, J., & Langevin, C. (2009). *Creative use of Pilot Points to Address Site and Regional Scale Heterogeneity in a Variable-Density Model*. PEST Conference. Potomac, MD.
- Langevin, C., Dausman, A., Thorne, D., & Sukop, M. (2008). *Modeling solute and heat transport with SEAWAT. MODFLOW and More 2008*. Ground Water and Public Policy, Golden, CO.
- La Licata, I., Langevin, C., Dausman, A., & Alberti, L. (2008). *Tidal effects on transient dispersion of simulated contaminant concentrations in coastal aquifers*. Program and Proceedings of the 20th Salt Water Intrusion Meeting, Naples, FL.
- Dausman, A., Langevin, C., Sukop, M., & Walsh, V. (2008). *Saltwater/freshwater interface movement in response to deep-well injection in a coastal aquifer*. 20th Salt Water Intrusion Meeting, Naples, FL.
- Dausman, A., Langevin, C., Sukop, M., & Walsh, V. (2008). *Saltwater/freshwater interface movement in response to deep-well injection in a coastal aquifer*. Program and Proceedings of the 20th Salt Water Intrusion Meeting, Naples, FL.
- Dausman, A., Langevin, C., Renken, R., Dixon, J., Walsh, V., & Sukop, M. (2008). *Fun model, fun lessons, fun results*. The Florida Keys Wastewater Assistance Foundation, Key Largo, FL.
- Dausman, A., Langevin, C., & Doherty, J. (2008). *Model sophistication, parameter parsimony and manual regularization—The good, the bad, the ugly, and the beauty of pilot points*. U.S. Geological Survey: National Groundwater Meeting, Denver, CO.
- Dausman, A., Doherty, J., Langevin, C., & Sukop, M. (2008). *Quantifying data contributions toward reducing predictive uncertainty in a variable-density flow and solute/heat transport model*. MODFLOW and More: Ground Water and Public Policy, Golden, CO.
- Dausman, A., Doherty, J., Hunt, R., & Fienen, M. (2008). *Model-independent parameter estimation: Introduction to using PEST*. 2nd USGS Modeling Conference, Orange Beach, AL.
- Dausman, A. (2008). *Fun model, fun lessons, fun results*. UNESCO Lecture Series, Fort Lauderdale, FL.
- Dausman, A., & Doherty, J. (2008). *PEST-FEST, using PEST in variable-density modeling: SEAWAT V4*. 20th Salt-Water Intrusion Meeting, Naples, FL.
- Dausman, A., Langevin, C., Doherty, J., Sukop, M., & Walsh, V. (2007). *A unique approach to calibrating a variable-density flow and transport model*. 39.
- Dausman, A., Langevin, C., Doherty, J., Sukop, M., & Walsh, V. (2007). *A unique approach to calibrating a variable-density flow and transport model in a carbonate aquifer*. Geological Society of America, Denver, CO.
- Dausman, A., & Langevin, C. (2007). *Calibration of a deep-well injection model*. SEAWAT Training Course, Fort Lauderdale, FL.
- Dausman, A., Langevin, C., & Sukop, M. (2007). *Simulation of submarine groundwater discharge salinity and temperature variations: Implications for remote detection*. A New Focus on Groundwater-Seawater Interactions. Presented to XXIV IUGG General Assembly, Perugia, Italy.



- Dausman, A., Langevin, C., Walsh, V., & Sukop, M. (2006). *Modeling the potential for plume migration from a deep well injection site*. Ground Water Summit of the National Ground Water Association, San Antonio, Texas.
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