

Alyssa Marie Dausman, Ph.D.

Senior Vice President and Chief Scientist,
The Water Institute of the Gulf

Office: 954.288.2165
Email: adausman@thewaterinstitute.org

1110 River Road S., Suite 200
Baton Rouge, LA 70802

Education

Ph.D. in Geosciences, December 2008

Florida International University, Miami, Florida

M.S. in Geology, July 2000

University of New Orleans, New Orleans, Louisiana

B.S. in Geology, May 1996

Tulane University, New Orleans, Louisiana

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 of the Gulf

Senior Vice President and Chief Scientist

2020-Present

Vice President for Science

2017-2020

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

Lifewater International

Hydrogeologist

1997

Tulane University

Lab Technician

1995-1996

Tulane University/National Oceanographic and Atmospheric Association

Diver/Research Assistant

1995

Notable Projects

Chief Scientist <i>The RESTORE Act Center of Excellence for Louisiana (LA-COE)</i>	Current
Structured Decision-Making to support Long-Term Strategic Planning <i>Capital Area Ground Water Conservation Commission (CAGWCC)</i>	Current
Adaptive Management <i>Louisiana Trustee Implementation Group</i>	Current
Strategy Development utilizing Structured Decision-Making <i>Louisiana Climate Task Force & Governor's Office of Coastal Activities</i>	Current
Regionwide Avian Monitoring <i>Regionwide Trustee Implementation Group</i>	Current
Barrier Island System Management utilizing Structured Decision-Marking <i>Louisiana Coastal Protection and Restoration Authority (CPRA)</i>	Current
Data Synthesis <i>Science for Nature and People Partnership (SNAPP) and National Center for Ecological Analysis and Synthesis (NCEAS)</i>	Current
Comprehensive Plan Development <i>Restore the Gulf, as lead scientist for the RESTORE Council.</i>	2016
Initial Funded Priorities Development <i>Restore the Gulf</i>	2015
Restoration Monitoring Development <i>Natural Resource Damage Assessment Process (NRDA)</i>	2011-2015
Development of the Sea Water Intrusion (SWI) Package for MODFLOW-2005 <i>In cooperation with Delft University in the Netherlands</i>	2009-2012
Science Advisor <i>Gulf Coast Ecosystem Restoration Task Force, Lead Science Coordination Team</i>	2011-2012
Strategy Development For Management of Transboundary Aquifers in the Americas <i>United Nations Educational, Scientific and Cultural Organization (UNESCO) and Organization of American State.</i> International collaboration to publish a book on strategy development for management of transboundary aquifers in the Americas as part of the UNESCO/OAS Internationally Shared Aquifer Resource Management Americas (ISARM) Program.	2008-2011
Developed numerical model for water resource assessment of Guaymas Valley, Mexico <i>In cooperation with the University of Sonora</i>	2008-2011
Development and support of SEAWAT Version 4 <i>In cooperation with Dr. Christian Langevin, Dr. Daniel Thorne, Dr. Weixing Guo and the U.S. Geological Survey Office of Ground Water.</i> SEAWAT Version 4 represents variable-density ground-water flow coupled with multi-species solute and heat transport. SEAWAT Version 4 supports new simulation options for coupling flow and transport, and for representing constant-head boundaries.	2006-2010

Quantifying model uncertainty and predictive uncertainty in variable density groundwater models	2006-2010
<i>In cooperation with Dr. John Doherty of Watermark Numerical Computing and Dr. Michael Sukop of Florida International University.</i>	
Performing water quality and water resource planning in Quartier-Morin, Haiti	2010
Fate and transport of deep-well injectate at the South District Miami-Dade Wastewater Treatment Plant	2004-2010
<i>In cooperation with the Miami-Dade Water and Sewer Department</i>	
Nutrient transport through the Everglades to Florida Bay	2003-2004
<i>In cooperation with South Florida Water Management District</i>	
Numerical simulation of saltwater intrusion in Broward County, Florida	2000-2004
<i>In cooperation with the South Florida Water Management District</i>	

Awards and Honors

- Sigma Xi International Research Society
- Volunteer of the Year, Hospice care 2006
- Phi Beta Kappa 1996
- Tulane Scholar 1994-1996

Teaching Experience

Training workshops on (1) SEAWAT and (2) Model Independent Parameter Estimation for the USGS. Multiple training workshops held across the United States. In addition, led trainings at the 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 Includes

- | | |
|---|--------------|
| • Warriors at Ease, Naval Special Warfare Group 4, Stennis Space Center, MS | 2014-present |
| • Groundwater resource evaluation, Build On Hope, Ft. Lauderdale, FL & Cap Haitien, Haiti | 2010-2012 |
| • 11th hour Volunteer, Hospice care Of Southeast Florida, Ft. Lauderdale, FL | 2005-2010 |
| • Hospital Volunteer, Cure International, Kabul, Afghanistan | 2006 |

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

Published Works

Peer Reviewed Publications

- 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. <https://doi.org/10.34237/10088110>
- Henkel, J., & Dausman, A. (2020). A Short History of Funding and Accomplishments Post-Deepwater Horizon. *Shore & Beach*, 11–16. doi.org/10.34237/1008811
- 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. doi.org/10.34237/1008813
- Gittman, R.K., Baillie, C.J., Arkema, K.K., Bennett, R.O., Benoit, J., Blich, S., Brun, J., Chatwin, A., Colden, A., Dausman, A., DeAngelis, B., Herold, N., Henkel, J., Houge, R., Howard, R., Hughes, A.R., Scyphers, S.B., Shostik, T., Sutton-Grier, A., and Grabowski, J.H. (2019) Voluntary Restoration: Mitigation's Silent Partner in the Quest to Reverse Coastal Wetland Loss in the USA. *Frontiers in Marine Science*. 6:511. doi: 10.3389/fmars.2019.00511
- Arkema K., Bennett R., Dausman A., Materman L. (2019) *United States: Blending Finance Mechanisms for Coastal Resilience and Climate Adaptation*. In: Mandle L., Ouyang Z., Salzman J.E., Daily G. (eds) *Green Growth That Works*. Island Press, Washington, DC. doi.org/10.5822/978-1-64283-004-0_14
- 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., and 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.; Blich, 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, 523.
- Canales, A.G., Velázquez, 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*.
- Walker, S.E., Dausman, A.M., & Lavoie, D. (2012). Gulf of Mexico Ecosystem Science Assessment and Needs. Gulf Coast Ecosystem Restoration Task Force and U.S. Geological Survey.
- 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 p. manuscript.
- Dausman, A.M., et. al. (2010). Regional Strategy for the Management of Transboundary Aquifer Systems (TAS) in the Americas. *UNESCO Series*, ISARM-Americas.
- Dausman, A.M. (2010). Variable-Density Flow of Groundwater: Quantifying the Effects of Temperature and Concentration in Numerical Models of Variable-Density Groundwater Flow. *Lambert Academic Publishing AG & Co. KG*. Saarbrücken, Germany.

- Dausman, A.M., Doherty, J., & Langevin, C.D. (2009). Hypothesis Testing of Buoyant Plume Migration Using a Highly Parameterized Variable-Density Groundwater Model at a Site in Florida, USA. *Hydrogeol J DOI: 10.1007/s10040-009-0511-6*.
- Taniguchi, M., Dausman, A., Howard, K., Polemio, M., & Lakshmanan, E. eds. (2009). Trends and Sustainability of Groundwater in Highly Stressed Aquifers: *IAHS Publication 329*, Oxfordshire, United Kingdom, 312 p.
- Langevin, C.D., Dausman, A.M., & Sukop, M.C. (2009). Solute and Heat Transport Model of the Henry and Hilleke Laboratory Experiment. *Ground Water*.
- Dausman, A.M., Doherty, J., Langevin, C.D., & Sukop, M.C. (2009). Quantifying Data Worth Toward Reducing Predictive Uncertainty: *Ground Water*. doi: 10.1111/j.1745-6584.2010.00679.x.
- Dausman, A.M., Langevin, C.D., & Sukop, M.C. (2007). Simulation of Submarine Groundwater Discharge Salinity and Temperature Variations: Implications for Remote Detection, in Sanford, W., Langevin, C.D., Polemio, M., and Povinec. P., eds., 2007, A new focus on groundwater-seawater interactions: IAHS Publication 312, Oxfordshire, United Kingdom, p. 272-280.
- La Licata, I., Langevin, C.D., & Dausman, A.M. (2007). Effect of Tidal fluctuations on Contaminant Transfer to the Ocean, in Sanford, W., Langevin, C.D., Polemio, M., and Povinec. P., eds., 2007, A new focus on groundwater-seawater interactions: IAHS Publication 312, Oxfordshire, United Kingdom, p. 334-341.
- Easley, D.H., Gaubert, A., Dausman, A., & Stoessell, R.K. (2003). Modeling of Salinity and Temperature Effects upon Ground Water in the Surficial Carbonate Aquifer, Yucatan Peninsula, Mexico.

Technical Reports

- 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). The Water Institute of the Gulf. Prepared for the Coastal Protection and Restoration Authority (CPRA) and the Louisiana Trustee Implementation Group (LA TIG), funded by the LA TIG.
- Runge M.C., Bean E.A., McInnis A., Clark R., Dausman A. (2020). Framework for a long-term strategic plan for the Capital Area Groundwater Conservation Commission. A report produced for and funded by the Capital Area Groundwater Conservation Commission under Task Order No. 70, Cooperative Endeavor Agreement No. 2503-12-58. Baton Rouge, LA: The Water Institute of the Gulf.
- McInnis, A., Clark, R., Hemmerling, S., and Dausman, A., (2020). State of the Science to Support Long-Term Water Resource Planning. The Water Institute of the Gulf. Prepared for and funded by the Capital Area Ground Water Conservation Commission and the Coastal Protection and Restoration Authority of Louisiana. Baton Rouge, LA.
- Dalyander, P.S., Miner, M., Dausman, A., Cameron, C., Dudeck, N., Georgiou, I.Y. (2020) Numerical Modeling of the Louisiana, Mississippi, and Alabama Coastal System: Model Inventory and Recommendations. The Water Institute of the Gulf. Prepared for the National Oceanic and Atmospheric Administration.
- 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

- Gestion 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. <http://pubs.er.usgs.gov/publication/70178995>
- Bakker, M., Schaars, F., Hughes, J.D., Langevin, C.D., and Dausman, A.M. (2013). Documentation of the Seawater Intrusion (SWI2) Package for MODFLOW: U.S. Geological Survey Techniques and Methods, Book 6, Chapter A46, 47 p., <https://pubs.usgs.gov/tm/6a46/>.
- Dausman, A.M., Langevin, C.D., Thorne, D.T. Jr., & Sukop, M. C. (2009). Application of SEAWAT to Select Variable-Density and Viscosity Problems. USGS Scientific Investigations Report 2009-5028
- Langevin, C.D., Thorne, D.T., Jr., Dausman, A.M., Sukop, M.C., & Guo, Weixing. (2008). SEAWAT Version 4: A Computer Program for Simulation of Multi-Species Solute and Heat Transport. U.S. Geological Survey Techniques and Methods. Book 6, Chapter A22, 39 p.
- 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, Florida: USGS Scientific Investigations Report. SIR 2004-5256.

Regional Planning Reports

- Comprehensive Plan Update (2016). Gulf Coast Ecosystem Restoration Council. <https://www.restorethegulf.gov/comprehensive-plan>
- Dausman, A., et al. (2015). Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act (RESTORE Act) Initial Funded Priorities List. Gulf Coast Ecosystem Restoration Council.
- Dausman, A., et al. (2011). Gulf of Mexico Regional Ecosystem Restoration Strategy. Gulf Coast Ecosystem Restoration Task Force.

Conference Proceedings and Presentations

- Fetherston-Resch, L., Dausman, A., Steyer, G., Giordano, S., Perry, R., & Green, R. (2017). Gulf of Mexico Oil Spill and Ecosystem Science Conference: Assessing the State of Gulf of Mexico Benthic Habitat Maps, New Orleans, Louisiana.
- Dausman, Alyssa. (2016). The Science Enterprise Workshop: Supporting and Implementing Collaborative Science: Science Enterprises workshop bay delta program California Program Development and Resource Allocation Related to the Gulf Coast Ecosystem Restoration Council, Davis, California.
- 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. January 28th, 2014 Gulf of Mexico Oil Spill & Ecosystem Science Conference Report.
- Dausman, A.M., & 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.
- Dausman, A.M, Walker, S.E., & 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, June 3-8, 2012.
- Dausman, A.M, Walker, S.E., & Lavoie, D. (2012). Supporting Gulf of Mexico Ecosystem Restoration: Issues and Challenges Identified by the Gulf Coast Ecosystem Restoration Task Force Science Team; Proceedings of the 2012 Ocean Sciences Meeting, February 20-24, 2012.
- Bakker, M., Schaars, F., Dausman, A.M., Hughes, J.D., & Langevin, C.D. (2012). Documentation of the Sea-Water Intrusion (SWI1) Package for modeling sea-water intrusion with MODFLOW-2005: USGS Techniques and Methods Book.
- Schaars, F.W., Bakker, M., Hughes, J.D., Dausman, A.M., & Langevin, C.D. (2011). Modeling Regional Seawater Intrusion with MODFLOW2005 and the SWI package. MODFLOW and More: Integrated Hydrologic Modeling.
- Brakefield, L.K. & Dausman, A.K.. (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.M., Langevin, C.D., Bakker, M., & Schaars, F. (2010). A Comparison between SWI and SEAWAT – The Importance of Dispersion, Inversion, and Vertical Anisotropy. SWIM21 Conference.
- Dausman, A.M., Langevin, C.D., Bakker, M., & Schaars, F. (2010). A Comparison between SWI and SEAWAT – The Importance of Dispersion, Inversion, and Vertical Anisotropy. SWIM21 Conference Proceedings June 2010, Azores, Portugal.
- Dausman, A.M. (2009). Hypothesis testing of buoyant plume migration using a highly parameterized variable-density groundwater model. VII Congreso Nacional De Aguas Subterranas 11 al 13 de Noviembre de 2009. San Carlos Nuevo Guaymas, Sonora, Mexico.
- Dausman, A.M. (2009). Hypothesis Testing of Buoyant Plume Migration Using a Highly Parameterized Variable-Density Groundwater Model. Abstract published in the program and proceeding of VII Congreso Nacional De Aguas Subterranas 11 al 13 de Noviembre de 2009. San Carlos Nuevo Guaymas, Sonora, Mexico.
- Dausman, A.M, Doherty, J., & Langevin, C.D (2009). Creative use of Pilot Points to Address Site and Regional Scale Heterogeneity in a Variable-Density Model.
- Dausman, A.M, Doherty, J., & Langevin, C.D. (2009). Creative use of Pilot Points to Address Site and Regional Scale Heterogeneity in a Variable-Density Model. Conference paper published in proceedings for the PEST Conference.
- Langevin, C.D., Dausman, A.M., Thorne, D., & Sukop, M.C. (2008). Modeling Solute and Heat Transport with SEAWAT. MODFLOW and More 2008. Ground Water and Public Policy – Conference Proceedings, Golden, Colorado.
- La Licata, I., Langevin, C. D., Dausman, A.M., & Alberti, L. (2008). Tidal Effects on Transient Dispersion of Simulated Contaminant Concentrations in Coastal Aquifers. Conference paper published in the Program and Proceedings of the 20th Salt Water Intrusion Meeting.

- Dausman, A.M., Langevin, C.D., Sukop, M.C., & Walsh, V. (2008). Saltwater/Freshwater Interface Movement in Response to Deep-Well Injection in a Coastal Aquifer. 20th Salt Water Intrusion Meeting, Naples, Florida.
- Dausman, A.M., Langevin, C.D., Sukop, M.C., & Walsh, V. (2008). Saltwater/Freshwater Interface Movement in Response to Deep-Well Injection in a Coastal Aquifer. Conference paper published in the Program and Proceedings of the 20th Salt Water Intrusion Meeting.
- Dausman, A.M., Langevin, C.D., Renken, R., Dixon, J., Walsh, V., & Sukop, M.C. (2008). Fun Model, Fun Lessons, Fun Results. The Florida Keys Wastewater Assistance Foundation. Key Largo, Florida.
- Dausman, A.M., Langevin, C.D., & 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, Colorado.
- Dausman, A.M., Doherty, J., Langevin, C.D., & Sukop, M.C. (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, Colorado.
- Dausman, A.M., Doherty, J., Langevin, C.D., & Sukop, M.C. (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.
- Dausman, A.M., Doherty, J., Hunt, R.J., & Fienen, M. (2008). Model-Independent parameter estimation: Introduction to using PEST. 2nd USGS Modeling Conference. Orange Beach, Alabama.
- Dausman, A.M. (2008). Fun Model, Fun Lessons, Fun Results. UNESCO Lecture Series. Fort Lauderdale, Florida.
- Dausman, A.M. & Doherty, J. (2008). PEST-FEST, Using PEST in variable-density modeling: SEAWAT_V4. 20th Salt Water Intrusion Meeting, Naples, Florida.
- Dausman, A.M., Langevin, C.D., Doherty, J., Sukop, M.C., & Walsh, V. (2007). A Unique Approach to Calibrating a Variable-Density Flow and Transport Model. GSA, Vol. 39, No. 6.
- Dausman, A.M., Langevin, C.D., Doherty, J., Sukop, M.C., & Walsh, V. (2007). A Unique Approach to Calibrating a Variable-Density Flow and Transport Model in a Carbonate Aquifer. Presented to the Geological Society of America.
- Dausman, A. M., & Langevin, C. D. (2007). Calibration of a Deep-Well Injection Model. Presented to SEAWAT Training Course. Fort Lauderdale, Florida.
- Dausman, A.M., Langevin, C.D., & Sukop, M.C. (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.M., Langevin, C.D., Walsh, V., & Sukop, M.C. (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.

- Dausman, A.M., Langevin, C.D., Walsh, V., & Sukop, M.C. (2006). Modeling the Potential for Plume Migration from a Deep Well Injection Site. Abstract Book of the 2006 Ground Water Summit. National Ground Water Association.
- Dausman, A.M., C.D. Langevin, M.C. Sukop, & Walsh, V. (2006). Development and Calibration of a Variable-Density Numerical Model of a Deep-well Injection Site near the Southeastern Florida Coast, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract H33D.
- Dausman, A.M., & Langevin C.D. (2006). Water level, canal stage, and saltwater intrusion in Broward County, Florida. Presented to: Global Climate Change: Implications for South Florida's Future.
- Dausman, A.M. & Langevin, C.D. (2006). Use of Preliminary Numerical Model to Determine Optimal Monitoring Well Location. Presented to Miami-Dade County.
- Dausman, A.M. & Langevin, C.D. (2006). Fun Model, Fun Lessons, Fun Results. Presented to Florida Department of Environmental Protection's 2006 Wastewater and Underground Injection Control Annual Meeting.
- Langevin, C. & Dausman, A. (2005). Numerical Simulation of Saltwater Intrusion in Response to Sea-Level Rise: In Proceedings of the Water & Environmental Resources Congress 2005—Impacts of Global Climate Change, Anchorage, Alaska.
- Dausman, A.M., Langevin, C.D., & Dixon, J. (2005). Conceptual Model for Evaluating Fate and Transport of Deep-Well Injectate at the South District Wastewater Treatment Plant. Presented to Miami-Dade County.
- Dausman, A.M., & Langevin, C.D. (2005). Water levels, canal stage, and saltwater intrusion in Broward County Florida. Presented to the Technical Advisory Committee for Water for Broward County, Florida.
- Dausman, A.M., & Langevin, C.D. (2005). Water levels, canal stage, and saltwater intrusion in Broward County Florida. Presented to the South Florida Association of Environmental Professionals.
- Dausman, A.M., & Langevin, C.D. (2004). Saltwater Intrusion in Broward County. Annual Technical Presentations Meeting-SFWMD/USGS Cooperative Program. Palm Beach, Florida.
- Dausman, A.M. (2004). Water Quality Modeling in the Everglades: Coupling a QW model with TIME/SICS. Florida International University. Miami-Dade, Florida.
- Dausman, A.M. (2004). Saltwater Intrusion in South Eastern Florida. Presented to Miami-Dade County: Water and Sewer Authority and Department of Environmental Protection. Miami-Dade, Florida.
- Dausman, A.M. (2004). Effects of parameters changes on Solute Transport Modeling. Florida International University. Miami-Dade, Florida.
- Dausman, A.M., and Langevin, C.D. (2003). Saltwater Intrusion in Broward County. Annual Technical Presentations Meeting-SFWMD/USGS Cooperative Program. Palm Beach, Florida.
- Dausman, A.M., & Langevin, C.D. (2003). Relationship among water levels, canal stage and saltwater intrusion, Southeastern Florida, USA. Second International Conference on Saltwater Intrusion and Coastal Aquifers. Monitoring, Modeling, and Management, Merida, Mexico.

- Dausman, A.M. (2003). Three-dimensional variable-density modeling using SEAWAT. Florida International University. Miami-Dade, Florida.
- Dausman, A.M. (2003). Simulating saltwater intrusion in Broward County, Florida. SEAWAT training class. South Florida Water Management District.
- Dausman, A.M. (2003). Representing Hydrodynamic Dispersion in Saltwater Intrusion Models that Differ in Temporal Resolution. Florida International University. Miami-Dade, Florida.
- Dausman, A.M. (2003). Issues and Concerns of Saltwater Intrusion in Broward County, Florida. Presented to City of Ft. Lauderdale, City of Hallandale Beach, City of Hollywood, Broward County. Fort Lauderdale, Florida.
- Dausman, A.M., Langevin, C.D., & Garces, D.G. (2002). Effects of Water-Level Fluctuations on the Movement of the Saltwater Interface in Palm Beach and Broward Counties. Joint meeting between the USGS and South Florida Water Management District. Palm Beach, Florida. March 1, 2002.
- Dausman, A.M., Easley, D.H., & Stoessell, R.K. (2002). Ground Water Model of the Northeastern Yucatan Peninsula, Mexico, American Water Resources Association, Annual Water Resources Conference, extended abstract.
- Dausman, A.M., & Langevin, C.D. (2002). Representing Hydrodynamic Dispersion in Saltwater Intrusion Models that Differ in Temporal Resolution. American Water Resources Association, 2002 Spring Specialty Conference: Coastal Water Resources. New Orleans, Louisiana.
- Dausman, A.M., & Langevin, C.D. (2002). Groundwater Flow and Transport Modeling: Application to Submarine Groundwater Discharge, Coastal Wetland Hydrology, and Deep Well Injection. Joint USGS/NOAA Meeting. Miami-Dade, Florida.
- Dausman, A.M., & Langevin, C.D. (2002). Representing Hydrodynamic Dispersion in Saltwater Intrusion Models of Different Temporal scales. American Water Resources Association. Spring Specialty Conference: Coastal Water Resources, extended abstract.
- Dausman, A.M. Saltwater Intrusion in Broward County. (2002). Presented to Broward County Department of Environmental Protection. Fort Lauderdale, Florida.
- Dausman, A.M. Saltwater Intrusion in Broward County. (2002). DEP Watershed Monitoring Q Meeting. Fort Lauderdale, Florida.
- Dausman, A.M. (2000). Groundwater Model of the Fresh-Water/Salt-Water Lens in the Northeastern Yucatan Peninsula. Presented to the U.S. Geological Survey. Miami-Dade, Florida.