

PUBLICATIONS

- Lee, B. D., et al. (2017). Comparison of enzyme activity probe response with TCE degradation rates at five contaminated sites in the US. Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies. Miami, Battelle Memorial Institute.
- Mills, J., et al. (2017). Innovative Approach to Determine the Rate of Abiotic Degradation of TCE in a Large Diffuse Plume. Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies. Miami, FL, Battelle Memorial Institute.
- Mills, J., et al. (2017). Use of a ¹⁴C Assay to Determine Rates of TCE Co-oxidation in Groundwater. Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies. Miami, FL, Battelle Memorial Institute.
- Taggart, D., et al. (2017). TCE Co-oxidation Rates and Quantification of Oxygenase Gene Abundances and Expression. Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies. Miami, FL, Battelle Memorial Institute.
- Wiedemeier, T. H., et al. (2017). Efficacy of an In-Well Sonde to Determine Magnetic Susceptibility of Aquifer Sediment as a Predictor of Abiotic Degradation of TCE. Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies. Miami, FL, Battelle Memorial Institute.
- Wiedemeier, T. H., et al. (2016). BioPIC - A Spreadsheet-Based Decision Tool for Deducing Degradation Pathways and Selecting the Most Efficacious Bioremediation Approach for Chlorinated Ethylenes in the Subsurface. Tenth International Conference on Remediation of Chlorinated and Recalcitrant Compounds. Palm Springs, CA, Battelle Memorial Institute.
- Wiedemeier, T. H., Wilson, J.T., Lebron, C.A., Loffler, F., Yang, Y., Hinchee, R.E., and Singletary, M., 2015. An Integrated Approach for Deducing Degradation Pathways at Sites Contaminated With Chlorinated Ethylenes: Third International Symposium on Bioremediation and Sustainable Environmental Technologies, Miami, FL, May 18-21, 2015, Battelle Memorial Institute.
- Yang, Y., Wiedemeier, T. H., Wilson, J.T., Lebron, C.A., Loffler, F., Yang, Y., Hinchee, R.E., and Singletary, M., 2015, BIOPATH – A Spreadsheet-Based Decision Tool for Deducing Degradation Pathways and Selecting the Most Efficacious Bioremediation Approach for Chlorinated Ethylenes in the Subsurface: Third International Symposium on Bioremediation and Sustainable Environmental Technologies, Miami, FL, May 18-21, 2015, Battelle Memorial Institute.
- Wiedemeier, T. H., Pound, M.J., and Wong, R., 2015, An Integrated, State-of-the-Art, Approach for Evaluating Monitored Natural Attenuation: Third International Symposium on Bioremediation and Sustainable Environmental Technologies, Miami, FL, May 18-21, 2015, Battelle Memorial Institute.
- Wiedemeier, T.H., 2014, Measurement of Dissolved Oxygen in Groundwater – What is it Really Telling Us?: Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California.
- Wiedemeier, T.H., 2014, The Myth of “*cis*-Stall” - Using Isotopes and Concentration Trends To Evaluate *cis*-1,2-Dichloroethene Degradation: Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California.
- Wiedemeier, T.H., Wilson, J.T., and Hinchee, R.E., 2014, Limitations of the *Preliminary Screening for Anaerobic Biodegradation Processes* Presented in the 1998 USEPA Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water: Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California.
- Wilson, J. T., Adair, C. Gonsoulin, M. Payne, M. Wiedemeier, T.H. Ferrey, M., 2014, Using magnetic susceptibility to predict the rate of abiotic degradation of PCE, TCE, *cis*-DCE and vinyl chloride in aquifer sediment. Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, Battelle.
- Hinchee, R.E, Lebron, C., Loffler, F., Singletary, M., Wiedemeier, T.H., and Wilson, J.T., 2013, A Novel Tool for Guiding Management Decisions at Chlorinated Solvent Sites: In Proceedings of Remediation Technology Conference
- Wiedemeier, T. H., 2012, Using Molecular Biological Tools and Compound-Specific Isotope Analyses to Determine When NOT to use Bioremediation. Eighth International Conference on Remediation of

- Chlorinated and Recalcitrant Compounds, Monterey, California.
- Wiedemeier, T.H., Wilson, J.T., Singletary, M.A., Loeffler, F.E., Lebron, C.A., and Hinchee, R.E., 2012, Guidance for Selecting the Most Appropriate Bioremediation Approach at Chlorinated Solvent Sites: Eight International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, Battelle Memorial Institute.
- Interstate Technology & Regulatory Council, 2011, Integrated DNAPL Site Strategy. https://www.itrcweb.org/guidancedocuments/integrateddnaplstrategy_idssdoc/idss-1.pdf
- Wiedemeier, T.H., Wilson, J.T., Löffler, F., Singletary, M. and Hinchee, R.E., 2011, Development and Validation of a Quantitative Framework and Management Expectation Tool for the Selection of Bioremediation Approaches (Monitored Natural Attenuation [MNA], Biostimulation and/or Bioaugmentation) at Chlorinated Solvent Sites: SERDP/ESTCP Partners in Environmental Technology Technical Symposium & Workshop November 29–December 1, 2011
- Wiedemeier, T.H., Wong, R., and Pound, M.J., 2011, SiteWise™ Evaluation of Remediation Options at a Site Contaminated with Chlorinated Aliphatic Hydrocarbons: Battelle Memorial Institute, International Conference on Bioremediation and Sustainable Environmental Technologies, Reno, Nevada, June 27-30, 2011
- Wiedemeier, T.H., Wong, R., and Pound, M.J., 2011, The Importance of Total Contaminant Mass Estimates in Remedial Alternative Analyses and Sustainability: Battelle Memorial Institute, International Conference on Bioremediation and Sustainable Environmental Technologies, Reno, Nevada, June 27-30, 2011
- Wiedemeier, T.H., Yux, J.L., and Pound, M.J., 2008, Sustainability of Natural Attenuation for Chlorinated Solvents: Battelle Memorial Institute, Sixth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, May 19-22, 2008
- Wiedemeier, T.H., Yux, J.L., Wong, R.L., White, B.C., and Pound, M.J., 2008, Natural Attenuation of Chlorinated Solvents, A Case Study from Naval Air Station North Island: Battelle Memorial Institute, Sixth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, May 19-22, 2008
- Wiedemeier, T.H., Wong, R.C., White, B., Pound, M.J., and Perry, C., 2007, State of the Art for Evaluating Natural Attenuation: Ninth International Symposium on In Situ and On-Site Bioremediation, Baltimore, Maryland, May 7-10, 2007.
- Zeeb, P. and Wiedemeier, T.H., 2007, Technical Protocol for Evaluating the Natural Attenuation of MtBE: API Publication 4761, 186 pp. <http://www.api.org/environment-health-and-safety/clean-water/ground-water/~media/15a5d109bb1a44a9ad58eb186a805b3f.ashx>
- Early, T.O., Looney, B.B., Heitkamp, M., Vangelas, K.A., Wiedemier, T.H., Wein, G.R., Major, D.W., Waugh, W.J., Adams, K., Sink, C.H., 2006, Enhanced Attenuation - What is it and how does it fit into a remediation strategy? National Ground Water Association Ground Water Summit, 2006.
- Wiedemeier, T.H. and Zeeb, P., 2006, The American Petroleum Institute protocol for evaluating natural attenuation of MTBE: Fifth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-25, 2006.
- Wiedemeier, T.H., Dickson, W.Z., and Barden, M.J., 2006, Lines of evidence for evaluating biological and abiotic degradation of chlorinated solvents: Fifth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-25, 2006.
- Wiedemeier, T.H. and Barden, M.J., 2006, Factors affecting the sustainability of monitored natural attenuation: Invited Paper, Fifth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-25, 2006.
- Carey, G., Van Geel, P., McBean, E., Wiedemeier, T.H., and Roy, Su-Kim, 2006, Modeling First-Order Biodegradation Rates – Error Considerations in Existing Models and Development of New Inverse Models: Ground Water Monitoring and Remediation, In Press
- Wiedemeier, T.H., Barden, M.J., Haas, P.E., and Dickson, W.D., 2006, Designing Monitoring Programs to Effectively Evaluate the Performance of Natural Attenuation: In David M. Nielsen, Practical Handbook of Environmental Site Characterization and Ground-Water Monitoring, Second Edition, CRC Press, Taylor & Francis Group, Boca Raton, FL, p. 573-637.
- Wiedemeier, T.H., Dickson, W.Z., and Haas, P.E., 2005, The use of modeling to predict MNA and Social Issues

- of Active Remediation versus MNA: Remediation Journal, p. 128-136.
- Wilson, J.T., C. J. Newell, J. Seaberg, B. E. Rittmann, T. H. Wiedemeier, W. Z. Dickson and P. E. Haas, 2005, Monitored natural attenuation panel: The use of modeling to predict MNA and social issues of active remediation versus MNA: Remediation Journal: v. 15, no. 3, p. 120-138. URL: <http://dx.doi.org/10.1002/rem.20055>
- Chapelle, F.H., Looney, B.B., Wiedemeier, T.H., and Sink, C., 2005, Quantifying Mass Balance in Support of Monitored and Enhanced Natural Attenuation: Eighth International Conference on In Situ and On-Site Bioremediation, Baltimore, Maryland, June 2005.
- Early, T.O., Looney, B.B., Heitkamp, M., Borden, R.C., Wein, G., Wiedemeier, T.H., Major, D., and Sink, C., 2005, Enhancements to Natural Attenuation Processes – New Approaches to Plume Management: Eighth International Conference on In Situ and On-Site Bioremediation, Baltimore, Maryland, June 2005.
- Chapelle, F.H., Looney, B.B., Wiedemeier, T.H., and Sink, C., 2005, Empirical and Deterministic Approaches for Assessing Monitored Natural Attenuation: Eighth International Conference on In Situ and On-Site Bioremediation, Baltimore, Maryland, June 2005.
- Chapelle, F., Early, T., Gilmore, T., Heitkamp, M., Looney, B., Major, D., Wein, G., and Wiedemeier, T. H., 2004, Natural and Passive Remediation of Chlorinated Solvents - Critical Evaluation of Science and Technology Targets: U.S. Department of Energy Office of Science and Technology U.S. Department of Energy Savannah River Operations, Westinghouse Savannah River Company
- Wiedemeier, T.H., Barden, M.J., Dickson, W.Z., and Major, D.W., 2004, Multiple Lines of Evidence Supporting Natural Attenuation: Lines of Inquiry Supporting Monitored Natural Attenuation and Enhanced Attenuation of Chlorinated Solvents: Westinghouse Savannah River Company, WSRC-TR-2003-00331.
- Carey, G.R., Van Geel, P.J., Wiedemeier, T.H., and McBean, E.A., 2003, A modified radial diagram approach for evaluating natural attenuation trends for chlorinated solvents and inorganic redox indicators: Ground Water Monitoring and Remediation. V. 23, no. 4, p. 75-84.
- Wiedemeier, T.H., and Haas, P.E. 2002, Designing Monitoring Programs to Evaluate the Performance of Natural Attenuation: Ground Water Monitoring and Remediation, v. 22, no. 3, p. 124-135.
- Henry, B.M., Hicks, J.R., Wiedemeier, T.H., Hansen, J.E., and Kampbell, D.H., 2002, Comparison of predicted and observed plume trends at contaminated sites, Paper 2D-04: In, Proceedings of the Third International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 20-23, 2002, Monterey, California.
- Wiedemeier, T.H., Henry, B.M., and Haas, P.E., 2001, Technical protocol for enhanced reductive dechlorination via vegetable oil injection: In, Proceeding of the Battelle Conference.
- Wiedemeier, T.H., and Haas, P.E. 2000, Designing Monitoring Programs to Evaluate the Performance of Natural Attenuation: In Wickramanayake, G.B., Gavaskar, A.R., Kelley, M.E., and Nehring, K.W., editors, Risk, Regulatory, and Monitoring Considerations, Battelle Press, Columbus, OH, p. 357-368.
- Boulacault, K.J., Hinchee, R.E., Wiedemeier, T.H., Hoxworth, S.W., Swingle, T.P., Carver, E., and Haas, P.E., 2000, Vegoil – A Novel Approach for Stimulating Reductive Dechlorination: In Wickramanayake, G.B., Gavaskar, A.R., Alleman, B.C., and Magar, V.S., editors, Bioremediation and Phytoremediation of Chlorinated and Recalcitrant Compounds, Battelle Press, Columbus, OH, p. 1-8.
- Lee, J.H., Jackson, J.A., Gordon, E.K., Wiedemeier, T.H., and Pound, M.J., 2000, Natural attenuation of chlorinated solvents, - a case study: In Wickramanayake, G.B., Gavaskar, A.R., and Kelley, M.E., editors, Natural Attenuation Considerations and Case Studies, Battelle Press, Columbus, OH, p. 81-88.
- Wiedemeier, T.H., and Chapelle, F.H., 2000, Technical Guidelines for Evaluating Monitored Natural Attenuation of Petroleum Hydrocarbons and Chlorinated Solvents in Ground Water at Naval and Marine Corps Facilities – Revision 1: Department of the Navy, September, 2000.
- Wiedemeier, T.H., Lucas, M.A., and Haas, P.E., 2000, Designing Monitoring Programs to Effectively Evaluate the Performance of Natural Attenuation: Air Force Center for Environmental Excellence, San Antonio, Texas.
- Rifai, H.S., Newell, C.J., and Wiedemeier, T.H., 2000, Natural Attenuation of Chlorinated Solvents, In, G. Wypych, editor, Handbook of Solvents: ChemTec Publishing, Ontario, Canada.
- Wiedemeier, T.H., Rifai, H.S., Newell, C.J., and Wilson, J.T., 1999, Natural Attenuation of Fuels and

- Chlorinated Solvents in the Subsurface: John Wiley & Sons, New York, New York, 617 p.
- Anthony, J.W., Henry, B.M., Wiedemeier, T.H., Gordon, E.K., Bidgood, J.B., Hinchee, R.E., and Hansen, J.E., 1999, Methodology to evaluate natural attenuation of methyl tertiary-butyl ether: In Bruce C. Alleman and Andrea Leeson, Editors, Natural Attenuation of Chlorinated Solvents, Petroleum Hydrocarbons, and Other Organic Compounds, Battelle Press, p. 121-133.
- Carey, G.R., Wiedemeier, T.H., Van Geel, P.J., McBean, E.A., Murphy, J.R., and Rovers, F.A., 1999, SEQUENCE visualization of natural attenuation trends at Hill Air Force Base, Utah: *Bioremediation Journal*, v. 3, no. 4, p. 379-398.
- Anthony, J.W., Bidgood, J.B., Wiedemeier, T.H., Gordon, E.K., and Hansen, J.E., 1999, The Fuel Oxygenate Methyl Tertiary-Butyl Ether (MTBE) - Its Movement and Fate in the Environment and Potential for Natural Attenuation: Air Force Center for Environmental Excellence, San Antonio, TX, Revision 0
- Lu, G., Clement, T.P., Zheng, C., and Wiedemeier, T., 1999, Natural attenuation of BTEX compounds - model development and field-scale application: *Ground Water*, v. 37, no. 5, p. 707-717.
- Wiedemeier, T.H., Hicks, J.R., Henry, B.M., Herrington, R.T., Hansen, J.E., and Haas, P.E., 1999, Results of Natural Attenuation Evaluations at Multiple Air Force Sites: Proceeding of the Fifth International Symposium on In Situ and On-Site Bioremediation, San Diego, CA, April 19-22, 1999.
- Anthony, J.W., Henry, B.M., Wiedemeier, T.H., Gordon, E.K., Bidgood, J.B., Hinchee, R.E., and Hansen, J.E., 1999, Methodology to evaluate natural attenuation of methyl tertiary-butyl ether: Proceeding of the Fifth International Symposium on In Situ and On-Site Bioremediation, San Diego, CA, April 19-22, 1999.
- Herrington, R.T., Henry, B.M., Hicks, J.R., Wiedemeier, T.H., and Hansen, J.E., 1999, Performance and cost results – natural attenuation of petroleum hydrocarbons and chlorinated solvents at multiple Air Force sites: Proceedings of the National Defense Industrial Association Conference, Denver, Colorado, March, 1999.
- Wiedemeier, T.H., and Haas, P.E. 1999, Designing Monitoring Programs to Effectively Evaluate the Performance of Natural Attenuation: Proceedings of the Fifth International Symposium on In Situ and On-Site Bioremediation, San Diego, CA, April 19-22, 1999.
- Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Gordon, E.K., Wilson, J.T., Wilson, B.H., Kampbell, D.H., Haas, P.E., Miller, R.N., Hansen, J.E., and Chapelle, F.H., 1998, Technical Protocol for Evaluating the Natural Attenuation of Chlorinated Solvents in Ground Water: EPA/600/R-98/128
- Wiedemeier, T.H., and Chapelle, F.H., 1998, Technical Guidelines for Evaluating Monitored Natural Attenuation of Petroleum Hydrocarbons and Chlorinated Solvents in Ground Water at Naval and Marine Corps Facilities: Department of the Navy, September, 1998.
- Wiedemeier, T.H., 1998, Geochemical evolution of groundwater contaminated with organic compounds: Proceedings of the Annual Conference, American Geochemical Union, Invited Talk.
- Jackson, J.A., Wiedemeier, T.H., Talley, J., Larson, S., and Demars, D., 1998, Natural attenuation of chlorinated solvents at a former landfill, Naval Air Station, North Island: Proceedings of the Tri-Service Environmental Technology Workshop, San Diego, CA
- Wiedemeier, T.H., and Haas, P.E., 1998, Designing monitoring programs to effectively evaluate the performance of natural attenuation: Proceedings of the Tri-Service Environmental Technology Workshop, San Diego, CA
- Wiedemeier, T.H., and Pound, M.J., 1998, Natural attenuation can be an option for chlorinated solvents: *Soil and Groundwater Cleanup*, May, p. 34-36.
- Wiedemeier, T.H., and Pound, M.J., 1998, Natural attenuation of chlorinated solvents – technical and regulatory issues: In, G.B. Wickramanayake and R.E. Hinchee, editors, Natural Attenuation – Chlorinated and Recalcitrant Compounds: Battelle Press, Columbus, Ohio, p. 293-298.
- Moutoux, D.E., Benson, L.A., Hicks, J.R., Wiedemeier, T.H., Swanson, M.A., Wilson, J.T., Kampbell, D.H., and Hansen, J.E., 1997, Patterns of Reductive Dehalogenation of dissolved chlorinated hydrocarbon plumes: In Situ and On-Site Bioremediation - Volume 3, Battelle Press, Columbus, OH, p. 191-196.
- Graves, R.W., Hinchee, R.E., Jensen, T.M., Graves, A.E., Wiedemeier, T.H., Wheeler, M., and Elliott, R., 1997, Natural attenuation of chlorinated compounds in six plumes at Hill AFB: In Situ and On-Site Bioremediation - Volume 3, Battelle Press, Columbus, OH, p. 141-146.
- Wiedemeier, T.H., 1997, Protocols for evaluating the natural attenuation of fuel hydrocarbons and chlorinated aliphatic hydrocarbons in groundwater: Proceedings of the Annual ATV Conference on Groundwater

- Contamination, The Technical University of Denmark, Lyngby, March 11-12, 1997.
- Hicks, J.R., Wiedemeier, T.H., Moutoux, D.E., Wilson, J.T., and Hansen, J.E., 1997, Case study using the Air Force Technical Protocol to evaluate natural attenuation of chlorinated solvents in groundwater: Proceedings of the Tri-Service Environmental Technology Workshop, Saint Louis, MO, June, 1997.
- Moutoux, D.E., Benson, L.A., Hicks, J.R., Wiedemeier, T.H., Swanson, M.A., Wilson, J.T., Kampbell, D.H., and Hansen, J.E., 1997, Patterns of Reductive Dehalogenation of dissolved chlorinated hydrocarbon plumes: Proceedings of the Tri-Service Environmental Technology Workshop, Saint Louis, MO, June, 1997.
- Hinchee, R.E., Graves, R., Jensen, M., Wiedemeier, T.H., Wheeler, M., and Elliot, R., 1996, Natural attenuation of chlorinated compounds in six plumes at Hill AFB.
- Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Wilson, J.T., Kampbell, D.H., Haas, P. and Hansen, J.E., 1997, Protocol for supporting natural attenuation of chlorinated solvents - with examples: In Situ and On-Site Bioremediation - Volume 3, Battelle Press, Columbus, OH, p. 147.
- Wiedemeier, T.H., Swanson, M.A., Moutoux, D.A., Wilson, J.T., Kampbell, D.H., Haas, P. and Hansen, J.E., 1996, Technical Protocol for Evaluating the Natural Attenuation of Chlorinated Solvents in Groundwater: Air Force Center for Environmental Excellence, San Antonio, Texas, Draft-Revision 1.
- Wiedemeier, T.H. and Barden, M., 1996, Natural Attenuation for the Remediation of Contaminated Sites: National Ground Water Association Training Manual
- Wiedemeier, T.H. and Dendrou, S., 1996, Computer Implementation of the Air Force Intrinsic Remediation (Natural Attenuation) Protocol: Computer Assisted Planning, Design, Permit Application and Monitoring Plan for Hydrocarbon Remediation: International Ground Water Modeling Center Training Manual
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., Haas, P., and Hansen, J.E., 1996, Overview of the Air Force protocol for natural attenuation of chlorinated solvents: Proceedings of the Conference on Intrinsic Remediation of Chlorinated Solvents, Salt Lake City, Utah, April 2, 1996.
- Wiedemeier, T.H. and Hinchee, R.E., 1996, Field application of intrinsic remediation for the in-situ treatment of petroleum hydrocarbons, In, Proceedings of the 1st International Conference on The Impact of Industry on Groundwater Resources, May 22-24, 1996, Villa Erba - Cernobbio (Como): Sezione It. Acque Sotterranee dell' Associazione Gerisorse e Ambiente, Torino, Italy
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., Haas, P., and Hansen, J.E., 1996, Overview of the Air Force protocol for natural attenuation of chlorinated solvents: Proceedings of the Tri-Service Environmental Technology Workshop, Hershey, PA, May 21, 1996.
- Moutoux, D.E., Benson, L.A., Lenhart, J., Swanson, M.A., Wiedemeier, T.H., Wilson, J.T., and Hansen, J.E., 1996, Estimating the changing rate of anaerobic reductive dehalogenation of chlorinated aliphatic hydrocarbons in the presence of petroleum hydrocarbons: In, Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Ground Water - Prevention, Detection, and Remediation Conference, November, 1996, Houston Texas.
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., and Hansen, J.E., 1996, Overview of the Air Force protocol for natural attenuation of chlorinated solvents: In, Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Ground Water - Prevention, Detection, and Remediation Conference, November, 1996, Houston Texas.
- Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Wilson, J.T., Kampbell, D.H., Hansen, J.E., and Haas, P., 1996, Overview of the Air Force protocol for remediation of chlorinated solvents by natural attenuation: EPA/540/R-96/509, p. 35-59.
- Swanson, M., Wiedemeier, T.H., Moutoux, D.E., Kampbell, D.H., and Hansen, J.E., 1996, Patterns of natural attenuation of chlorinated aliphatic hydrocarbons at Cape Canaveral Air Station, Florida: EPA/540/R-96/509, p. 166.
- Neaville, C.C., Salanitro, J.P., and Wiedemeier, T.H., 1996, Intrinsic bioremediation of petroleum hydrocarbons at the Phoenix Pipeline Terminal, Arizona, In, Proceedings of the Sixth West Coast Conference on Contaminated Soils and Groundwater, March 11-14, 1996: Association for the Environmental Health of Soils.
- Herrington, R.T. and Wiedemeier, T.H., 1996, Intrinsic remediation of fuel hydrocarbons in low-temperature groundwater environments, In, Proceedings of the Sixth West Coast Conference on Contaminated Soils and Groundwater, March 11-14, 1996: Association for the Environmental Health of Soils.

- Kampbell, D.H., Wiedemeier, T.H., and Hansen, J.E., 1996, *J. Hazrd. Mater*, 49, 197-204.
- Wiedemeier, T.H., Wilson, J.T., and Kampbell, D.H., 1996, Natural attenuation of chlorinated aliphatic hydrocarbons at Plattsburgh Air Force Base, New York, In, *Proceedings of the Symposium on Natural Attenuation of Chlorinated Organics in Ground Water*, September 11-13, 1996: USEPA.
- Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Wilson, J.T., Kampbell, D.H., Hansen, J.E., and Haas, P., 1996, Overview of the technical protocol for natural attenuation of chlorinated aliphatic hydrocarbons in groundwater under development for the Air Force Center for Environmental Excellence, In, *Proceedings of the Symposium on Natural Attenuation of Chlorinated Organics in Ground Water*, September 11-13, 1996: USEPA.
- Wiedemeier, T.H., Swanson, M.A., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1996, Approximation of biodegradation rate constants for monoaromatic hydrocarbons (BTEX) in ground water: *Ground Water Monitoring and Remediation*, Summer 1996.
- Wiedemeier, T.H., Benson, L.A., Wilson, J.T., Kampbell, D.H., Hansen, J.E., and Miknis, R., 1996, Patterns of natural attenuation of chlorinated aliphatic hydrocarbons at Plattsburgh Air Force Base, New York: *Proceedings of the Conference on Intrinsic Remediation of Chlorinated Solvents*, Salt Lake City, Utah, April 2, 1996.
- Herrington, R.T., Swanson, M.A., Wiedemeier, T.H., and Miller, R.N., 1996, Intrinsic Remediation of Fuel Hydrocarbons in Low Temperature Groundwater Environments: In, *Proceedings of the Sixth West Coast Conference on Contaminated Soils and Groundwater*, Newport, California, March 11-14, 1996.
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1995, Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater: Air Force Center for Environmental Excellence, San Antonio, Texas.
- Blicker, B.R., Wiedemeier, T.H., and Guest, P.R., 1995, Nature takes a hand in cleaning up contaminated airport site: *Water Quality International*, no. 3, 1995, p. 16-18.
- Hoffer, S., Benson, L.A., Schmiermund, R.L., Wiedemeier, T.H., and Miller, R.N., 1995, Field measurement of dissolved BTEX biodegradation: American Chemical Society,
- Wiedemeier, T.H., and Rifai, H.S., 1995, *Intrinsic Bioremediation: Principles, Applications, and Case Studies: International Network for Environmental Training Coursebook*.
- Wiedemeier, T.H., Miller, R.N., and Wilson, J.T., 1995, Significance of anaerobic processes for the Intrinsic bioremediation of fuel hydrocarbons: In, *Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Remediation Conference*, November 29 - December 1, 1995, Houston Texas.
- Herrington, R.T., Swanson, M.A., Wiedemeier, T.H., and Miller, R.N., 1995, Low-temperature intrinsic bioremediation of fuel hydrocarbons and two northern Air Force bases: In, *Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Remediation Conference*, November 29 - December 1, 1995, Houston Texas.
- Wiedemeier, T.H., Swanson, M.A., and Neaville, C.C., 1995, Intrinsic bioremediation of petroleum hydrocarbons in groundwater at the Phoenix Pipeline Terminal, Arizona: In, *Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Remediation Conference*, November 29 - December 1, 1995, Houston Texas.
- Newell, C.J., Winters, J.A., Rifai, H.S., Miller, R.N., Gonzales, J., and Wiedemeier, T.H., 1995, Modeling intrinsic remediation with multiple electron acceptors - results from seven sites: In, *Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Remediation Conference*, November 29 - December 1, 1995, Houston Texas, p. 33-48.
- Wilson, J.T., Kampbell, D., Wiedemeier, T.H., and Miller, R.N., 1995, Role of sulfate reduction, methanogenesis, iron reduction, and respiration of nitrate and oxygen in the intrinsic bioremediation of petroleum hydrocarbons in groundwater: In, *Proceedings of the Second International Petroleum Environmental Conference*.
- Swanson, M.A., Wiedemeier, T.H., and Neaville, C.C., 1995, Intrinsic bioremediation of petroleum hydrocarbons in groundwater at a bulk storage facility near Phoenix, Arizona: *Proceedings of the Arizona HAZWASTE '95 Symposium*, November, 1995.

- Wiedemeier, T.H., Benson, L.A., and Guest, P.R., 1995, Chemical Indicators of Chlorinated Aliphatic Hydrocarbon Biodegradation: IBC Conference, Annapolis, MD.
- Wiedemeier, T.H., Swanson, M.A., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1995, Patterns of Intrinsic Bioremediation at Two United States Air Force Bases, In, R.E. Hinchee, J.T. Wilson, and D.C. Downey, editors, *Intrinsic Bioremediation*: Battelle Press, Columbus, Ohio, p. 31-51.
- Newell, C.J., Winters, J.A., Balcells, R.N., Rifai, H. S., Wilson, J.T., Miller, R.N., Gonzales, and Wiedemeier, T.H., 1995, Relative importance of different electron acceptors for intrinsic remediation of petroleum hydrocarbons - results from seven sites: In *Proceedings of the Society of Microbiology Annual Convention*, August 6-11, 1995.
- Kampbell, D., Wiedemeier, T.H., and Hansen, J.E., 1995, Intrinsic bioremediation of fuel contamination in groundwater at a field site: In *Proceedings of the 10th Annual HSRC Conference*, Manhattan, KS, May 1995.
- Benson, L.A., Wiedemeier, T.H., Schmiermund, R.L., Cannon, K.L., Crawford, W.E., Wilson, J.T., and Kampbell, D.H., and Miller, R.N., 1995, Demonstrating the feasibility of anaerobic cometabolic biodegradation of trichloroethene and BTEX compounds: In *Proceedings of the 1995 Outdoor Action Conference*, Las Vegas, Nevada.
- Wiedemeier, T.H., Wilson, J.T., Miller, R.N., and Kampbell, D.H., 1994, United States Air Force Guidelines for Successfully Supporting the Intrinsic Remediation (Natural Attenuation) Option at Fuel Hydrocarbon-Contaminated Sites with an example from Hill Air Force Base: In, *Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Remediation Conference*, November 2 - 4, 1994, Houston Texas.
- Wilson, J.T., Kampbell, D., and Wiedemeier, T.H., 1994, Intrinsic Remediation of Gasoline: In *Proceedings of the Third Environmental Restoration Technology Transfer Symposium*, November 8-10, 1994, San Antonio, Texas.
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., Miller, R.N., Hansen, J.E., 1994, A Brief Synopsis of the Technical Protocol for Implementing the Intrinsic Remediation with Long Term Monitoring Option for Natural Attenuation of Fuel-Hydrocarbon Contamination in Groundwater Currently Under Development by AFCEE: *Proceedings of the 1994 United States Environmental Protection Agency Symposium on Intrinsic Bioremediation of Groundwater*, August 30 - September 1, 1994.
- Wilson, J.T., Pfeiffer, F.M., Weaver, J.W., and Kampbell, D.H., Wiedemeier, T.H., Hansen, J.E., and Miller, R.N., 1994, Intrinsic Bioremediation of JP-4 Jet Fuel: *Proceedings of the 1994 United State Environmental Protection Agency Symposium on Intrinsic Bioremediation of Groundwater*, August 30 - September 1, 1994.
- Wiedemeier, T.H., 1994, Guidelines for Successfully Supporting the Intrinsic Remediation (Natural Attenuation) Option at Fuel Hydrocarbon-Contaminated Sites: 18th Annual Army Environmental R&D Symposium, June 1994.
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., and Miller, R.N., 1994, Proposed Air Force Guidelines for Successfully Supporting the Intrinsic Remediation (Natural Attenuation) Option at Fuel Hydrocarbon-Contaminated Sites: *Proceedings of the 1994 National Outdoor Action Conference*, Minneapolis, Minnesota, May 1994.
- Wiedemeier, T.H., Blicher, B.R., and Guest, P.R., 1994, Risk-Based Approach for Bioremediation of Fuel Hydrocarbons at a Major Airport: *Proceedings of 1994 Federal Environmental Restoration III and Waste Minimization II Conference and Exhibition*, New Orleans, Louisiana, April 1994.
- Wiedemeier, T.H., Wilson, J.T., Kampbell, D.K., Miller, R.N., 1994, Guidelines for Supporting Intrinsic Remediation at Fuel Hydrocarbon-Contaminated Sites with Examples from 2 United States Air Force Bases: *Proceedings of NWWA/API Petroleum Hydrocarbons and Organic Chemicals in Groundwater: Prevention, Detection, and Restoration*.
- Blicher, B.R., and Guest, P.R., and Wiedemeier, T.H., 1994, Risk-Based Approach for Bioremediation of Fuel Hydrocarbons at a Major Airport: *Seventh International Institute of Gas Technology Symposium on Gas, Oil, and Environmental Biotechnology*.
- Wiedemeier, T.H., Henry, R.L., Guest, P.R., and Keith, C.B., 1993, The Use of Bioplume to Support Regulatory Negotiations at a Fuel Spill Site near Denver, Colorado: *Proceedings of NWWA/API Conference on Petroleum Hydrocarbons and Organic Chemicals in Groundwater: Prevention, Detection, and Restoration*, Houston, Texas, p. 445-459.

- Wiedemeier, T.H., Full, W.E., and Mazzullo, S.J., 1990, Holocene facies relationships in a mixed siliciclastic-carbonate barrier complex; Placentia, Belize, Central America: American Association of Petroleum Geologists Bulletin, v. 74, no. 5, p. 790.
- Wiedemeier, T.H., 1989, Sedimentology and Facies Relationships of a Holocene Mixed Siliciclastic-Carbonate Barrier Spit Complex: Placentia, Belize, Central America: Unpublished Master's Thesis, 200 p.
- Mazzullo, S.J., Hipke, W., Wiedemeier, T.H., Wingate, T.P., and Reid, A.M., 1989, Dynamic stratigraphy of the Tubb and Dean Formations, Northern Midland Basin, Texas: West Texas Geological Society Bulletin, v. 29, no. 1 p. 5-11.
- Wiedemeier, T.H., and Full, W.E., 1989, Facies relationships between siliciclastic and carbonate sediments; Placentia, Belize, Central America: Geological Society of America, Program with Abstracts, v. 21, no. 6, p. 333.
- Wiedemeier, T.H., 1988, Depositional environment of the Kremmling Sandstone Member, Pierre Shale; Middle Park, Colorado: The Compass, v. 65, no. 2, p. 43-57.