

D. Lauren Ross, P.E., Ph. D.

Publications, Reports and Articles

Twin Oaks Community: Conceptual Design for Tofu Wastewater Treatment, for Twin Oaks Intentional Community, June 2008.

Effects of Four Corners Power Plant Coal Combustion Waste Disposal on Surface and Groundwater Quality, submitted to Lisa Evans, attorney, August 2007.

Preliminary Review of the McCarty Road Landfill Proposed Major Permit Amendment, submitted to Monica Jacobs, attorney, August 2007.

Biofiltration Water Quality Control Design Standards, prepared for the City of Sunset Valley, Texas, 2007.

Review of Proposed XTO Energy, Inc. Centralized Landfarm Facility, Jack County, Texas, submitted to Robert Thompson, Ph.D., July 2006.

Water, Mud, Mold, and More: Toxic Chemicals and Staying Safe When Returning to Coastal Louisiana, for Common Ground Relief, December 2005.

Lundelius-McDaniels Water Quality Retrofit Project Preliminary Engineering Report, submitted to HDR Engineering, Inc., October 2005.

Surface Water and Sediment Sample Results Associated with the Diamond Shamrock Three Rivers Refinery Wastewater Irrigation Fields, submitted to Mary Sahs, attorney, September 2005.

Diamond Shamrock Three Rivers Refinery Wastewater Irrigation Water Balance, submitted to Mary Sahs, attorney, June 2005.

Intrawell Comparisons for Arsenic and Benzene Concentration Measurements in Maxwell Landfill Monitoring Well 4, submitted to Robert S. Kier Consulting, Inc., June 2005.

Groundwater Sampling Protocols: Ruby Ranch Subdivision, submitted to Neighbors Organized in Defense of the Environment, May 2005.

Recommendations for Edwards Aquifer Authority Water Quality Regulations, presented to the Edwards Aquifer Authority Water Quality Task Force in San Antonio, Texas, 17 February 2004.

Effects of Impervious Cover Limits to Improve Water Quality, submitted to City of Sunset Valley, January 2003.

EcoCreto™ Pervious Pavement Water Quality & Flood Control Design, prepared for EcoCreto LLC, January 2003.

Sampling at the Alcoa Sandow Lignite Mine, submitted to Neighbors for Neighbors, Inc., December 2002.

Preliminary Review of Northern Hays and Southwestern Travis Counties Water Supply System Project Environmental Impact Study: October 2001, Save Our Springs Alliance, 15 January 2002.

Water Quality Design Calculations Wells Branch Church of Christ Austin, Texas, for EcoCreto, Inc., September 2001.

Product Pipeline Hazards over Karst Aquifers, presented at American Society of Civil Engineering Environmental and Pipeline Engineering Convergence 2000, July 23-26, 2000.

Review of the Environmental Assessment of the Proposed Longhorn Pipeline System, January 2000.

Comments on the Final Environmental Assessment of the proposed Longhorn Pipeline System, January 2001.

Water Fights: Citizens Struggle to Shape a City in Central Texas, for *Under the Blade: The Conversion of Agricultural Landscapes*, ISBN-13: 978-0813335971, Westview Press, 1999.

Hydrogeologic Setting and Potential Contamination of Barton Springs from a Longhorn Pipeline Discharge, September 1998.

Watershed Protection Utility Master Plan: Integrated Solutions Regulatory Inventory, prepared for the City of Austin, August 1998.

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Watershed Protection Utility Master Plan: Integrated Solutions Regulatory Protocols, prepared for the City of Austin, July 1998.

Statistical Analysis of Soil Samples for Quanex Land Treatment Unit, prepared for Quanex Gulf States Tube Division, December 1997.

A Scientific Basis for Edwards Aquifer Protection, prepared for the American Bar Association Conference: Key Environmental Issues in U.S. EPA Region VI, May 1997.

Robert Mueller Municipal Airport Phase II Environmental Assessment Work Plan, prepared with Geomatrix, Inc., prepared for the City of Austin, April 1997.

Water Quality Protection Programs to Reduce NPS Pollution, presented at Barton Springs/Edwards Aquifer Conservation District Conference "Watershed Management: Challenges and Innovations," July 1996.

Water Quality Ordinance Amendments to the City of Sunset Valley Land Development Code, prepared for the City of Sunset Valley, April 1996.

Soil and Water Quality Monitoring Plan for the City of Austin Municipal Golf Courses, prepared for the City of Austin, January 1996.

D. C. Reed Estate Water Quality Protection Zone Monitoring Program, prepared for the D. C. Reed Estate, January 1996.

Soil Monitoring Plan for Utility Trench Segment Through SWMU 216, prepared for the City of Austin, January 1996.

Waller Creek Flood Control Master Plan, prepared with Loomis and Associates for the City of Austin, December 1995.

"Barton Springs Water Protection Efforts Challenged," *Nonpoint Source News-Notes*, published by U. S. EPA. August/September 1995.

Statistical Methods for Environmental Monitoring, lecture notes for Continuing Engineering Studies Short Course, University of Texas at Austin, 5-7 April 1995.

"Don't Mess with Texas" *Litter Survey*, prepared with Capitol Environmental Services for GSD&M Associates, Inc., April 1995.

Long Term Viability of the Edwards Aquifer for the City of Sunset Valley Water Supply, prepared for the City of Sunset Valley, Texas, February 1995.

Character and Magnitude of Degradation in the Barton Springs Zone, prepared for Loomis and Associates as part of the Barton Springs Zone Retrofit Project, Austin, Texas, December 1994.

Report on Septic Systems in the Barton Springs Zone, prepared for Loomis and Associates as part of the City of Austin's Barton Springs Zone Retrofit Project, Austin, Texas, December 1994.

"Don't Mess with Texas" *Litter Survey Work Plan*, prepared with Capitol Environmental Services for GSD&M Associates, Inc., October 1994.

Statistical Analyses to Establish Constituent Action Limits for Detection Monitoring: Industrial Waste Control Site, Sebastian County, Arkansas, prepared for International Technology Corporation, June 1994.

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Review of Environmental Information Document for Proposed Lacey Pig Operation, prepared for Mr. Michael J. Hobbs, April 1994.

Barton Creek and Barton Springs: Petition to Texas Natural Resource Conservation Commission for Designation as Outstanding National Resource Waters, prepared with others, April 1994.

Base Flow in Barton Creek and Statistical Analysis of Water Quality Data for Barton Creek and Barton Springs, Austin, Texas, prepared for Loomis, Santos and Associates, March 1994.

Statistical Analysis: Background Sampling Investigation at Bergstrom Air Force Base, Texas, prepared for Southwest Laboratories, January 1994.

Multivariate Statistical Analysis of Environmental Monitoring Data, presented at the Petroleum Hydrocarbons Conference, Houston, Texas, November 1993.

“An Environmentalist’s Perspective on Pump-and-Treat Groundwater,” published in *Ground Water Monitoring and Remediation*, Vol. XIII, No. 4, 1993.

The Importance of the SOS Water Quality Ordinance to the Protection of the Barton Springs Segment of the Edwards Aquifer, prepared for the Texas Natural Resource Conservation Commission, September 1993.

Statistical Analyses to Establish Constituent Action Limits for Detection Monitoring, prepared for International Technology Corporation for IWC Site in Fort Smith, Arkansas, June 1993.

Multivariate Statistics for Environmental Monitoring Data, doctoral dissertation for the University of Texas at Austin, May 1993.

Statistical Analyses to Establish Constituent Action Limits for Detection Monitoring, prepared for International Technology Corporation, May 1993.

Statistical Analysis of Phase I and Phase II Background Soil Measurements, prepared for Quanex Corporation, February 1993.

Sampling Recommendations to Detect Chromium Contamination in Soils, prepared for Phil Bullock, Southwest Laboratories, 16 August 1993.

Recommendations for Sampling: West Dallas Lead Project, prepared for International Technology Corporation, August 1992.

Implementation Strategy for the Pollution Reduction Standard of the SOS Water Quality Referendum, prepared for Save Our Springs Coalition, July 1992.

Statistical Determination of Background Values for Groundwater Based on Student’s T-Test, Tolerance Interval and Mann-Whitney Analysis, prepared for Quanex Corporation, September 1991.

Phase I Environmental Site Assessment: Jollyville/360 Tract; 9401 Capitol of Texas Highway; Austin, Texas, prepared with others, June 1991.

Statistical Analysis: Koch East Plant Soil Samples, prepared with others, for Koch Refinery, May 1991.

Soil Metal Evaluation Final Report, prepared with others, for Chevron Corporation, October 1990.

Review of Hydrogeology and Potential Contamination of Ramada Inn Site, prepared for Capitol Environmental Services, September 1990.

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Malone Service Company Compliance Plan, prepared as part of a RCRA hazardous waste facility permit application, October 1989.

Malone Service Company Geology Report, prepared as part of a RCRA hazardous waste facility permit application, October 1989.

HST3D Groundwater Model to Predict Waste Migrations, prepared for Union Carbide Corporation, November 1988.

Statistical Issues in Monitoring Groundwater Quality, prepared with others, for Texas Water Commission, 1987.

Land Treatment of Sugar Cane/Ethanol Process Waste, prepared with others, May 1987.

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Air Products Company RCRA Hazardous Facility Part B Permit Application, prepared with others, 1985.

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Closure Plans for Two Cooling Tower Blow-Down Impoundments, prepared for Houston Lighting and Power, 1984.

Landfills in the Vicinity of Austin, Texas, prepared with others, for the City of Austin, November 1984.

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Groundwater Management Options for the Harris/Galveston Coastal Subsidence District, prepared with others, 1979.

Armand Bayou Master Drainage Study, prepared with others, for Espey Huston and Associates, Inc, August 1979.

Non-Point Source Pollution Assessment for the San Jacinto Watershed, prepared for Espey Huston and Associates, 1978.