

Bibliography

- Al-Abed, N. and H.R. Whiteley. 1995. "Modelling Water Quality and Quantity in the Lower Portion of the Grand River Watershed, Ontario." Published in proceedings: *The International Symposium on Water Quality Modeling*, Sponsored by ASAE - The Society for Engineering in Agricultural, Food, and Biological Systems, Orlando, Florida, pp. 213-223.
- Ambrose, R.B., T.A. Wool, and J.L. Martin. 1993. *The Water Quality Analysis Simulation Program, WASP5*. Environmental Research Laboratory, US Environmental Protection Agency, Athens, Georgia.
- Anderson, J.R., E.E. Hardy, J.T. Roach, and R.E. Witmer. 1976. *A Land Use and Land Cover Classification System for Use with Remote Sensor Data*. U.S. Geological Survey, Professional Paper, Reston, Virginia.
- Armstrong, N.E. and G.H. Ward. 1994. *Point Source Loading Characterization of Galveston Bay*. Publication GBNEP-36, Galveston Bay National Estuary Program, Webster, Texas.
- Bales, J.D. and E.R. Holley. 1992. *Field and Numerical Studies of Tracer Gas Transport and Surface Gas Transfer in Laterally Uniform, Partially Stratified Estuaries*. CRWR Technical Report No. 208, Center for Research in Water Resources, Bureau of Engineering Research, The University of Texas at Austin, Austin, Texas.
- Biesheuvel, A. and C.J. Hemker. 1993. "Groundwater modelling and GIS: integrating MICRO-FEM and ILWIS." Published in proceedings: *HydroGIS 93: Application of Geographic Information Systems and Water Resources*, IAHS, Vienna, Austria, pp. 289-296.
- Brown, M.C., D.H. Davis, R.M. Greenwald, P. Srinivassan, and D.S. Ward. 1996. "ModelGIS, An Interface for the USGS Three Dimensional Finite Difference Model MODFLOW." Published in proceedings: *1996 ESRI's User Conference*, Redlands, California.
- Browne, F.X. 1990. "Stormwater Management" in *Standard Handbook of Environmental Engineers*. Corbitt. R.A. ed., McGraw Hill, New York, New York, pp. 7.1-7.135.
- Chen, C.L, L.E. Gomez, C.W. Chen, C.M. Wu, J.J. Lin, and I.L. Cheng. 1995. "An Integrated Watershed Management Model with GIS and Windows Application." Published in proceedings: *The International Symposium on Water Quality Modeling*, Sponsored by ASAE - The Society for Engineering in Agricultural, Food, and Biological Systems, Orlando, Florida, pp. 242-250.

- Chow, V.T., D.R. Maidment, and L. Mays. 1988. *Applied Hydrology*. McGraw Hill, New York, New York.
- Clarke, D. 1993. *Modeling Toxic Materials in Galveston Bay, Texas*. Master's Thesis, Department of Civil Engineering, University of Texas at Austin, Austin, Texas.
- Daly, C., R.P. Neilson, and D.L. Phillips. 1994. A Statistical-Topographic Model for Mapping Climatological Precipitation over Mountainous Terrain. *Journal of Applied Meteorology*, 33: 140-158.
- DePinto, J.V. J.F. Atkinson, H.W. Calkins, P.J. Densham, W. Guan, H. Lin, F. Xia, P.W. Rodgers, T. Slawewski, and W.L. Richardson. 1993. "Development of Geo-WAMS: A Modeling Support System for Integrating GIS with Watershed Analysis Models." Published in Proceedings: *Second International Conference on Integrating GIS with Environmental Modeling*, Breckenridge, Colorado.
- DePinto, J.V., H.W. Calkins, P.J. Densham, J.F. Atkinson, W. Guan, H. Lin and P.W. Rodgers. 1994. "An Approach for Integrating GIS and Watershed Analysis Models." *Microcomputers in Civil Engineering*, Blackwell Publishers, Cambridge, Massachusetts, 9: 251-262.
- Environmental Systems Research Institute, Inc. (ESRI). 1994. *Avenue: Customization and Application Development for ArcView*. Redlands, California.
- Espey, W.H., A.J. Hays, Jr., W.D. Bergman, J.P. Buckner, R.J. Huston, and G.H. Ward, Jr. 1971. *Galveston Bay Project Water Quality Modeling and Data Management: Phase II Technical Report*, Tracor, Inc, Austin, Texas.
- Espey, Huston, and Associates, Inc. (EH&A). 1994. *Analysis of Sanitary Sewer Overflow Effects on Surface Water Quality*, Three Volumes, Houston, Texas.
- Furst, J., G. Girstmair, and H.P. Nachtnebel. 1993. "Application of GIS in Decision Support Systems for groundwater management." Published in proceedings: *HydroGIS 93: Application of Geographic Information Systems and Water Resources*, IAHS, Vienna, Austria, pp. 13-21.
- Galveston Bay Nation Estuary Program (GBNEP). 1996. *Galveston Bay NEP Fact Sheet*. World Wide Web Homepage, Address: <http://www.epa.gov/nep/gulf/gb/>.
- Geter, W.F., P. Smith, C. Drungil, R. Shepherd, and B. Kuenstler. 1995. "Hydrologic Unit Water Quality Model GIS Interface to Four ARS Water Quality Models for Use by Soil Conservation Service." Published in proceedings: *The International Symposium on Water Quality Modeling*, Sponsored by ASAE - The Society for Engineering in Agricultural, Food, and Biological Systems, Orlando, Florida, pp. 341-347.

- Gloyna, E.F. and J.F. Malina. 1964. *Galveston Bay Water Quality Study: Historical and Recent Data*. Center for Research in Water Resources, Report No. 1, Environmental Health Engineering Laboratories, The University of Texas at Austin, Austin, Texas.
- Holley, E.R. 1996. *Personal Communication*. Professor, Department of Civil Engineering, The University of Texas at Austin, Austin, Texas.
- Hydroscience, Inc. 1968. *Galveston Bay Study*. Unpublished report obtained from Dr. G.H. Ward, Center for Research in Water Resources, University of Texas at Austin, Austin, Texas.
- LaWare, P. 1996. *Personal Communication*. Graduate Student, Rice University, Houston, Texas.
- Maidment, D.R. 1992. *A Grid-Network Procedure for Hydrologic Modelling*. Report prepared for the Hydrologic Engineering Center, US Army Corps of Engineers, Davis, California.
- Maidment, D.R. 1993. "Developing a spatially distributed unit hydrograph by using GIS." Published in proceedings: *Application of Geographic Information Systems in Hydrology and Water Resources Management* -- an international conference organized by the International Association of Hydrological Sciences and the United Nations Educational, Scientific, and Cultural Organization, Vienna, Austria.
- Maidment, D.R. 1996. *GIS in Water Resources*. World Wide Web Homepage, Address: <http://www.ce.utexas.edu/prof/maidment/gishydro/>.
- Maidment, D.R., F. Olivera, Z. Ye, S. Reed, and D.C. McKinney. 1996. "Water Balance of the Niger Basin." Published in Proceedings: *ASCE North American Water and Environment Congress '96*, Anaheim, California.
- Mizgalewicz, P. 1996. *Agrichemical Transport in the Midwest Rivers: A GIS Approach*. Ph.D. Dissertation, University of Texas at Austin, Department of Civil Engineering. Austin, Texas, In preparation.
- Newell, C.J., H.S. Rifai, and P.B. Bedient. 1992. *Characterization of Non-Point Sources and Loadings to Galveston Bay*. Publication GBNEP-15, Galveston Bay National Estuary Program, Webster, Texas.
- Olivera, F. 1996. *Personal Communication*. Graduate student, University of Texas at Austin, Department of Civil Engineering: Environmental and Water Resources Engineering, Austin, Texas.

- Olivera, F. and D.R. Maidment. 1996. "Runoff Computation Using Spatially Distributed Terrain Parameters." Published in Proceedings of the *ASCE - North American Water and Environment Congress '96*, Anaheim, California.
- Pilgrim, D.H. and I. Cordery. 1993. "Flood Runoff" in *Handbook of Hydrology*. Maidment, D.R. ed., McGraw Hill, New York, New York, pp. 9.1-9.42.
- Plover, T. 1996. *Personal Communication*. Operational Systems Support Specialist, Learning Resources Center, University of Texas at Austin, Austin, Texas.
- Rindahl, B. 1996. "Groundwater Modelling and Analysis: Using the USGS MODFLOW program and ArcView." Published in proceedings: *1996 ESRI User's Conference*, Redlands, California.
- Saunders, W.K. 1996. *A GIS Assessment of Non-point Source Pollution in the San Antonio-Nueces Coastal Basin*. Masters Report, University of Texas at Austin, Department of Civil Engineering, Austin, Texas.
- Shipley, F.S. and R.W. Kiesling, eds. 1994. *The State of the Bay: A Characterization of the Galveston Bay Ecosystem*. Publication GBNEP-44, Galveston Bay National Estuary Program, Webster, Texas.
- Sternberg, H. 1996. "PAMS-GIS Permit Application Management System." Published in proceedings: *1996 ESRI User's Conference*, Redlands, California.
- Stuart, N. and C. Stocks. 1993. "Hydrological modelling within GIS: an integrated approach." Published in proceedings: *HydroGIS 93: Application of Geographic Information Systems and Water Resources*, IAHS, Vienna, Austria, pp. 319-329.
- Texas Department of Water Resources (TDWR). 1984. *Waste Load Evaluation for the Houston Ship Channel System in and San Jacinto River Basin*. Department Report, Austin, Texas.
- Texas United States Geological Survey (Texas USGS). 1996. *US Geological Survey in Texas*. World Wide Web Homepage, Address: <http://txwww.cr.usgs.gov/>.
- Thomann, R.V. and J.A. Mueller. 1987. *Principles of Surface Water Quality Modeling and Control*. Harper Collins Publishers, New York, New York.
- Tim, U.S. and R. Jolly. 1994. "Evaluating Agricultural Nonpoint-Source Pollution Using Integrated Geographic Information Systems and Hydrologic/Water Quality Model." *Journal of Environmental Quality*, 23: 25-35.

- U.S. Environmental Protection Agency (USEPA). 1980. *A Water Quality Success Story: Lower Houston Ship Channel and Galveston Bay, Texas*. Office of Water Planning and Standards, Washington, D.C. 20460.
- U.S. Environmental Protection Agency (USEPA). 1996. *US Environmental Protection Agency*. World Wide Web Homepage, Address: <http://www.epa.gov>.
- United States Geological Survey -- US GeoData (USGS). 1993. *1:100,000 Scale Digital Line graphs (DLG) Data: Hydrography and Transportation - Optional Format - Area 8 - Texas and Oklahoma*. CD ROM, Reston, Virginia.
- United States Geological Survey. 1996. *EROS Home Page*. World Wide Web Homepage, Address: <http://sun1.cr.usgs.gov/eros-home.html>.
- Visnovsky, K. 1996. *Personal Communication*. Texas Natural Resource Conservation Commission, Toxicity Evaluation Team, Research and Environmental Assessment Section, Water Planning and Assessment Division, Austin, Texas.
- Ward, G.H. 1993. *Dredge and Fill Activities in Galveston Bay*. Publication GBNEP-28, Galveston Bay National Estuary Program, Webster, Texas.
- Ward, G.H. and N.E. Armstrong. 1992. *Ambient Water and Sediment Quality of Galveston Bay: Present Status and Historical Trends*. Publication GBNEP-22, Galveston Bay National Estuary Program, Webster, Texas.
- Ye, Z. 1996. *Map-Based Surface and Subsurface Flow Simulation Models: An Object-Oriented and GIS Approach*. Ph.D. Dissertation, University of Texas at Austin, Department of Civil Engineering, Austin, Texas, In preparation.