

## SUMMARY CURRICULUM VITAE 2007

### David W. Hicks

Scientist



Mr. Hicks' research interests include groundwater and surface-water interactions, groundwater recharge mechanisms in karst landscapes, wetland hydrology, effects of invasive trees on wetland hydroperiod, and effects of water use on the water resources of the Georgia Coastal Plain. His hydrology career has spanned over 40 years with the U.S. Geological Survey and most recently the Jones Center.

#### Registration:

Professional Geologist in Georgia

#### Education:

BS in Geology, Georgia State University, June 1978

#### Professional Experience:

January 2002-present: Scientist, Joseph W. Jones Ecological Research Center

February 2000-January 2002: Senior Hydrogeologist, Paul B. Krebs & Associates, Inc.

September 1964-February 2000: Hydrologist, U.S. Geological Survey

#### Professional Affiliations:

Georgia Groundwater Association

American Water Resources Association

Georgia Association of Water Professionals

Audubon

The Nature Conservancy

Georgia Conservancy

Southwest Georgia Water Resources Task Force

Professional Service:

Conference Program Organizer, Georgia Water Resources Conference, 2007  
Technical Advisor, Tired Creek Reservoir project, Georgia Conservancy, 2005-present  
Technical Advisor, Georgia Attorney General, Water Law Advisory Council, 2004-present  
Chairman, Southwest Georgia Water Resources Task Force 2003-present  
Program Chair, Georgia Water & Pollution Control Association, 1997-99  
President, Georgia Groundwater Association, 1993-96

Recent Research Publications (Past 5 years):

Opsahl SP, SE Chapal, DW Hicks and CK Wheeler. 2007. Evaluation of ground-water and surface-water exchanges using streamflow difference analyses. *Journal of the American Water Resources Association* 43:1132-1141.

Golladay SW, P Gagnon, M Kearns, JM Battle and DW Hicks. 2004. [Response of freshwater mussel assemblages \(Bivalvia: Unionidae\) to a record drought in the Gulf Coastal Plain of southwestern Georgia.](#) *Journal of the North American Benthological Society* 23:494-506.

Outreach Publications and Reports to Natural Resource Agencies (Past 5 years):

Clayton B and DW Hicks. 2007. [Hydrologic monitoring of a hardwood encroached, isolated depressional wetland, southwest Georgia.](#) Pages 596-598 in T.C. Rasmussen, G.D. Carroll and A.P. Georgakakos (eds.) *Proceedings of the 2007 Georgia Water Conference*, Institute of Ecology, University of Georgia, Athens, GA.

Golladay SW, DW Hicks and TK Muenz. 2006. Long-term changes in streamflow in the lower Flint River Basin, Southwestern Georgia, associated with water use and climatic variation. 54th Annual Meeting, North American Benthological Society. 4-9 June 2006, Anchorage, AK.

Golladay SW, DW Hicks and TK Muenz. 2006. Streamflow changes associated with water use and climatic variation in the lower Flint River Basin, Southwestern Georgia. Lower ACF Conference. 24-25 October 2006, Albany, GA.

- Golladay SW, DW Hicks and TK Muenz. 2007. [Stream flow changes associated with water use and climatic variation in the lower Flint River Basin, southwest Georgia](#). Pages 479- 482 in T.C. Rasmussen, G.D. Carroll and A.P. Georgakakos (eds.). Proceedings of the 2007 Georgia Water Conference, Institute of Ecology, University of Georgia, Athens, GA.
- Hicks DW and SW Golladay. 2006. Impacts of agricultural pumping on selected streams in southwestern Georgia. Georgia Environmental Protection Division, Atlanta, GA.
- Hicks DW and B Clayton. 2006. Preliminary Hydrologic Evaluation of the Grand Bay and Banks Lake Area near Moody Air Force Base, Valdosta, Georgia, The Nature Conservancy
- McIntyre RK and DW Hicks. 2006. Annual Report of the Joseph W. Jones Ecological Research Center
- Muenz TK, SP Opsahl, SW Golladay, DW Hicks, B Clayton and KA Cressman. 2006. Assessment of stream habitat in the Flint River Basin, U.S. F.W.S., Panama City, FL.
- Golladay SW, DW Hicks and SP Opsahl. 2005. Hydrologic Variation and Human Development in the Lower Flint River Basin: An Ongoing Landscape-scale Experiment. Joseph W. Jones Ecological Research Center, file report
- Opsahl SP, SE Chapal, DW Hicks and K Wheeler. 2005. [Using stream gage data to quantify surface water/groundwater exchanges between the Upper Floridan aquifer and the lower Flint River, Georgia, USA, 1989-2003](#). Pages 764-768 in K.J. Hatcher (ed.). Proceedings of the 2005 Georgia Water Resources Conference, Institute of Ecology, University of Georgia, Athens, GA.
- Golladay SW and DW Hicks. 2003. Mussel population surveys and estimation of potential stream withdrawals at selected sites in the lower Flint River Basin. Department of Natural Resources, Environmental Protection Division, Georgia Geological Survey, 12 pp.
- Golladay SW, P Gagnon, M Kearns, J Battle and DW Hicks. 2003. [The effects of the 2000 drought on freshwater mussels in the lower Flint River Basin](#). Pages 635-639 in K.J. Hatcher (ed.). Proceedings of the 2003 Georgia Water Resources Conference, Institute of Ecology, University of Georgia, Athens, GA.
- Hicks DW and B Clayton. 2003. Summary of Water Resources Conditions in Southwestern Georgia in 2003, Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, Information Bulletin, 28 pp.

Hicks DW and B Clayton. 2003. [Hydraulic characterization of the Upper Floridan aquifer in the Chickasawhatchee Swamp, southwestern Georgia](#). Pages 630-634 in K.J. Hatcher (ed.). Proceedings of the 2003 Georgia Water Resources Conference, Institute of Ecology, University of Georgia, Athens, GA.

Jenkins JC, DW Hicks and SP Opsahl. 2003. [Nitrogen chemistry in the Upper Floridan aquifer in wells on the Ichauway Ecological Reserve, Newton, GA](#). Pages 852-855 in K.J. Hatcher (ed.). Proceedings of the 2003 Georgia Water Resources Conference, Institute of Ecology, University of Georgia, Athens, GA.

Opsahl SP and DW Hicks. 2003. Frontiers in Marine Organic Geochemistry, Friday Harbor Laboratory, WA, Freshwater DOM: meeting paper, 5 pp.

Grants and Contracts: (Past 5 years):

Hicks DW 2006. Preliminary Hydrologic Evaluation of the Grand Bay and Banks Lake Area near Moody Air Force Base, Valdosta, Georgia, The Nature Conservancy, Grand Bay Legacy Grant, \$35000, December 2005-September 2006

Hicks DW and SW Golladay. 2004. Evaluation of permitted agricultural water use and potential effects of streamflow in southwestern Georgia. Georgia Environmental Protection Division. Budget \$98,169, January 2004-July 2006

Opsahl SP, SW Golladay and DW Hicks. 2004. Assessment of stream habitat in the ACF Basin. U.S. Fish and Wildlife Service. Budget \$19,000, October 2004-January 2006

Hicks DW, SW Golladay and SP Opsahl. 2002. Evaluation of groundwater and surface-water exchanges in the lower Flint River Basin. Georgia Environmental Protection Division, Budget \$96,674, June 2002-July 2003

Current Jones Center Research:

Golladay SW, SP Opsahl, LL Smith, DW Hicks. 2005. Hydrologic Variation and Human Development in the Lower Flint River Basin: An Ongoing Landscape-scale Experiment.

LK Kirkman, LL Smith, SW Golladay, SP Opsahl and DW Hicks. 2005. Depressional wetlands in the Coastal Plain landscape: Maintenance of regional biological diversity.