

Dr. Joseph Hughes is a Principal Hydrologist at INTERA with 32 years of research and applied experience in hydrologic software development and modeling and analysis of hydrologic systems, including water availability, water budgets, flow, and transport. Dr. Hughes is a co-developer of MODFLOW 6 and FloPy. Dr. Hughes has developed software for simulating natural and managed surface-water flow, subsurface compaction and land subsidence, density-dependent groundwater flow and transport, and integrated surface water/groundwater flow and transport. Dr. Hughes has worked on surface water, groundwater, and integrated surface water/groundwater projects throughout the United States and has taken a project management and/or technical lead role in many water resources modeling studies, including integrated surface water/groundwater interaction studies in support of groundwater permit applications and Everglades Restoration in Florida.