

DEVELOPMENT OF HYDROINFORMATIC TOOLS IN SUPPORT OF NATURAL AND WATER RESOURCES MANAGEMENT

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The development of hydroinformatic tools that support resource management requires an ever-increasing integration of decision support, modeling and simulation, and information technologies. Such developments must reach a broadening range of stakeholders, most of whom having come to expect information to be made available at their fingertips through the Internet. The U.S. Army Engineer Research and Development Center (ERDC) continues development of four informatic systems: the Groundwater, Surface Water, and Watershed Modeling Systems, and the Land Management System. The purpose of these systems is to provide relevant tools and information to land and water resource managers, decision makers, and other stakeholders to enhance their ability to understand and communicate past, current, and potential impacts of management decisions. This paper provides overviews capabilities of these systems in support of land and water resource management problems.
