

DEVELOPMENT OF AN ONLINE DATABASE FOR STORAGE AND RETRIEVAL OF DRILLING-LOG INFORMATION FOR GEORGIA

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Abstract. Drilling-log and lithologic information collected by local well drillers is rarely published and made available to the public. Such information is extremely valuable to geologists and hydrologists conducting hydrologic studies throughout the State, particularly where subsurface information is scarce. The Center for Water Resources at the State University of West Georgia, in cooperation with the U.S. Geological Survey, is working to establish the first statewide online database system for storage and retrieval of drilling-log information. The structure of the database system includes a secure database server at the Center for Water Resources, a file server that

will store the log data files, and linkage to the USGS National Water Information System. The first release of the database system will provide data-entry access to all well drillers currently registered in the State of Georgia and to users that register online (such as geologists and other government agencies). Data entered into the database system will be made available to the public through various Web-based retrieval options such as by county, radius search, latitude-longitude box, or by aquifer code. The design of the database system, as well as the challenge to have the online database accepted by well-drilling organizations, will be discussed.