## USING THE DIGITAL SURFACE-WATER ANNUAL DATA REPORT FOR GEORGIA

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Abstract. The U.S. Geological Survey (USGS), Georgia District, in cooperation with Federal, State, and local agencies, has revised the Georgia Surface-Water Annual Data Report—previously published as a paper report—to a new, more informative and functional format on CD-ROM. The new format is based on a geographic information system (GIS) user interface that allows the user to view map locations of the hydrologic monitoring stations and networks within their respective basins.

Several methods are provided for users to easily search for and retrieve data on stations. Graphical summaries of the current water year—October to September—and selected historical data illustrate seasonal and annual stream characteristics. Users can view or print out site information and data tables in the traditional paper report format, or download data for their use with other applications.

This digital data report includes the annual surface water data that has historically been published as a paper report. The CD-ROM, Georgia Surface-Water Annual Data Report, adds more functionality for the user, including graphical views of the data, digital files of data sets from each gaging station, a site location map, and photography at selected station locations. These options for a streamflow (discharge) station are shown in figure 1. The CD-ROM also contains userfriendly help and examples.

The first page of the station summary (fig. 2) gives the user a graphical summary of the selected streamflow station. An annual hydrograph, a graph of historic monthly statistics (maximum, minimum and mean), a graph of annual mean streamflow, a graph of annual peakflows, a site location map, and a photograph are included for most sites. The summary file is comprised of a station manuscript, which contains descriptive information, period of record, location, historical extremes, record accuracy and comments, as well as annual data tables of daily records, monthly statistics, and period-of-record statistics.

The data sets contained on this CD-ROM include the stage and streamflow from all continuous and noncontinuous gaging stations for the 1999 water year. All continuous water-quality monitoring data sets also are included in this release. Discrete water-quality sampling sites and continuous ground-water-level monitoring wells are shown as network data layers; however no measurement data are included on this CD-ROM. Work is proceeding on similar CD-ROM reports for each of these networks.



Figure 1. Options for a selected streamflow (discharge) station.



## USGS Annual Surface Water Summary, Georgia 1999

Figure 2. Graphical summary page for Peachtree Creek at Atlanta.