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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Original publisher: Reston, Va. : U. S. Geological Survey, 2007. OCLC Number: (OCoLC)137288698 Subject: Floods -- Alabama -- Tarrant City -- Computer simulation. Excerpt: . . . Approach Using the drainage area, computed impervious area, Model Calibration and methods outlined by Olin and Bingham ( 1982 ), the peak Input data were entered and checked, and then the com-flows ( table 2 ) for each sub-reach were computed for selected putational component of the model was used to simulate the recurrence intervals. These flows are applicable for current May 2003 flood profile. The output showed that the simulated and future flooding potential. The May 7, 2003, peak flows are water-surface elevation was higher in some areas than the between the 100- and 500-year recurrence interval. surveyed flood profile from the May 2003 flood. The methods used to calibrate the model to the known event were: the addition of interpolated cross sections, changes in Mannings Hydraulic Modeling roughness coefficients, and the modification of some cross sections to reflect ineffective flow areas. The Hydrologic Engineering Centers River Analysis In order to have improved agreement between the simu-System (...)

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