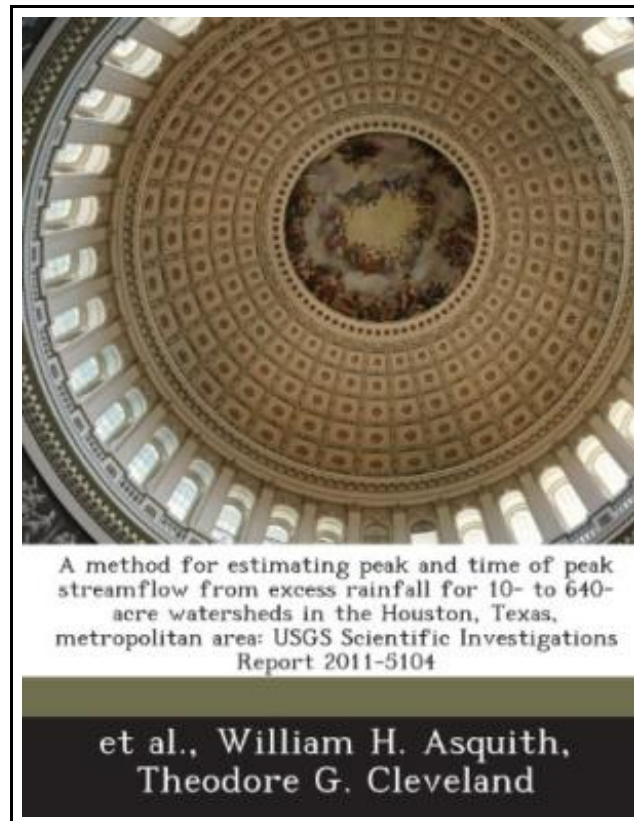


A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104



Filesize: 8.11 MB

Reviews

It is really an remarkable book which i have ever go through. It can be writter in simple terms and not difficult to understand. I am just effortlessly can get a enjoyment of reading a composed pdf.

(Dr. Lily Wunsch II)

A METHOD FOR ESTIMATING PEAK AND TIME OF PEAK STREAMFLOW FROM EXCESS RAINFALL FOR 10- TO 640-ACRE WATERSHEDS IN THE HOUSTON, TEXAS, METROPOLITAN AREA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2011-5104

DOWNLOAD



To download **A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104** PDF, make sure you refer to the link listed below and download the file or have accessibility to other information that are relevant to A METHOD FOR ESTIMATING PEAK AND TIME OF PEAK STREAMFLOW FROM EXCESS RAINFALL FOR 10- TO 640-ACRE WATERSHEDS IN THE HOUSTON, TEXAS, METROPOLITAN AREA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2011-5104 ebook.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Estimates of peak and time of peak streamflow for small watersheds (less than about 640 acres) in a suburban to urban, low-slope setting are needed for drainage design that is cost-effective and risk-mitigated. During 2007-10, the U.S. Geological Survey (USGS), in cooperation with the Harris County Flood Control District and the Texas Department of Transportation, developed a method to estimate peak and time of peak streamflow from excess rainfall for 10- to 640-acre watersheds in the Houston, Texas, metropolitan area. To develop the method, 24 watersheds in the study area with drainage areas less than about 3.5 square miles (2,240 acres) and with concomitant rainfall and runoff data were selected. The method is based on conjunctive analysis of rainfall and runoff data in the context of the unit hydrograph method and the rational method. For the unit hydrograph analysis, a gamma distribution model of unit hydrograph shape (a gamma unit hydrograph) was chosen and parameters estimated through matching of modeled peak and time of peak streamflow to observed values on a storm-by-storm basis. Watershed mean or watershed-specific values of peak and time to peak (time to peak is a parameter of the gamma unit hydrograph and is distinct from time of peak) of the gamma unit hydrograph were computed. Two regression equations to estimate peak and time to peak of the gamma unit hydrograph that are based on watershed characteristics of drainage area and basin-development factor (BDF) were developed. For the rational method analysis, a lag time (time-R), volumetric runoff coefficient, and runoff coefficient were computed on a storm-by-storm basis. Watershed-specific values of these three metrics were computed. A regression equation to estimate time-R based on...



Read A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104 Online



Download PDF A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104



Download ePub A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104

See Also



[PDF] **Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)**

Follow the hyperlink below to get "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" PDF file.

[Read Book »](#)



[PDF] **Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)**

Follow the hyperlink below to get "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" PDF file.

[Read Book »](#)



[PDF] **Firelight Stories; Folk Tales Retold for Kindergarten, School and Home**

Follow the hyperlink below to get "Firelight Stories; Folk Tales Retold for Kindergarten, School and Home" PDF file.

[Read Book »](#)



[PDF] **A Year Book for Primary Grades; Based on Froebel s Mother Plays**

Follow the hyperlink below to get "A Year Book for Primary Grades; Based on Froebel s Mother Plays" PDF file.

[Read Book »](#)



[PDF] **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Follow the hyperlink below to get "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF file.

[Read Book »](#)



[PDF] **Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Follow the hyperlink below to get "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF file.

[Read Book »](#)

**[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)**

Access the hyperlink listed below to read "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" file.

[Save Book »](#)

**[PDF] Parenting by Temperament: Brief Manual for Teachers, Counselors and Family Therapists**

Access the hyperlink listed below to read "Parenting by Temperament: Brief Manual for Teachers, Counselors and Family Therapists" file.

[Save Book »](#)

**[PDF] Readers Clubhouse Set B Time to Open**

Access the hyperlink listed below to read "Readers Clubhouse Set B Time to Open" file.

[Save Book »](#)

**[PDF] Music for Children with Hearing Loss: A Resource for Parents and Teachers**

Access the hyperlink listed below to read "Music for Children with Hearing Loss: A Resource for Parents and Teachers" file.

[Save Book »](#)

**[PDF] No Friends?: How to Make Friends Fast and Keep Them**

Access the hyperlink listed below to read "No Friends?: How to Make Friends Fast and Keep Them" file.

[Save Book »](#)

**[PDF] Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook**

Access the hyperlink listed below to read "Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook" file.

[Save Book »](#)