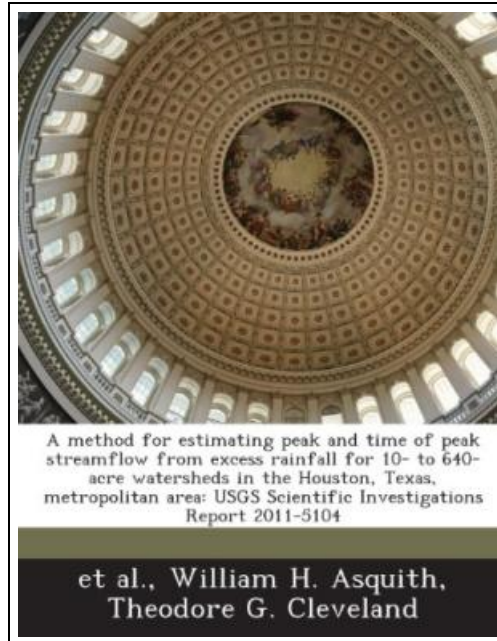


A Method for Estimating Peak and Time of Peak Streamflow from Excess Rainfall for 10- To 640-Acre Watersheds in the Houston, Texas, Metropolitan Area: Usgs Scientific Investigations Report 2011-5104



Filesize: 3.77 MB

Reviews

Here is the best ebook i actually have go through until now. It really is simplistic but shocks within the fifty percent in the ebook. Your daily life period will probably be transform once you total reading this book.




(Elaina Funk)

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



To save **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, please click the web link under and download the ebook or gain access to other information which are highly 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](#)

Other eBooks



[PDF] Simple Signing with Young Children : A Guide for Infant, Toddler, and Preschool Teachers

Click the hyperlink listed below to get "Simple Signing with Young Children : A Guide for Infant, Toddler, and Preschool Teachers" PDF document.

[Read eBook >](#)



[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners

Click the hyperlink listed below to get "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" PDF document.

[Read eBook >](#)



[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Click the hyperlink listed below to get "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" PDF document.

[Read eBook >](#)



[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Click the hyperlink listed below to get "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" PDF document.

[Read eBook >](#)



[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)

Click the hyperlink listed 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 document.

[Read eBook >](#)



[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)

Click the hyperlink listed 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 document.

[Read eBook >](#)

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

Click the web link listed below to get "Parenting by Temperament: Brief Manual for Teachers, Counselors and Family Therapists" document.

[Read eBook »](#)

**[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

Click the web link listed below to get "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" document.

[Read eBook »](#)

**[PDF] Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War**

Click the web link listed below to get "Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War" document.

[Read eBook »](#)

**[PDF] Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!**

Click the web link listed below to get "Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!" document.

[Read eBook »](#)

**[PDF] California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Click the web link listed below to get "California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" document.

[Read eBook »](#)

**[PDF] Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2**

Click the web link listed below to get "Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2" document.

[Read eBook »](#)