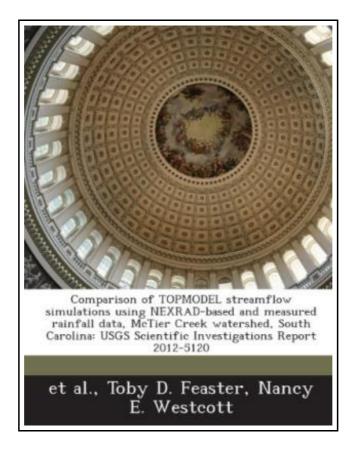
### Comparison of Topmodel Streamflow Simulations Using Nexrad-Based and Measured Rainfall Data, McTier Creek Watershed, South Carolina: Usgs Scientific Investigations Report 2012-5120



Filesize: 3.42 MB

#### Reviews

If you need to adding benefit, a must buy book. It really is writter in straightforward words and phrases rather than difficult to understand. Your life period is going to be change the instant you total reading this ebook.

(Letha Okuneva)

# COMPARISON OF TOPMODEL STREAMFLOW SIMULATIONS USING NEXRAD-BASED AND MEASURED RAINFALL DATA, MCTIER CREEK WATERSHED, SOUTH CAROLINA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2012-5120



Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Rainfall is an important forcing function in most watershed models. As part of a previous investigation to assess interactions among hydrologic, geochemical, and ecological processes that affect fish-tissue mercury concentrations in the Edisto River Basin, the topography-based hydrological model (TOPMODEL) was applied in the McTier Creek watershed in Aiken County, South Carolina. Measured rainfall data from six National Weather Service (NWS) Cooperative (COOP) stations surrounding the McTier Creek watershed were used to calibrate the McTier Creek TOPMODEL. Since the 1990s, the next generation weather radar (NEXRAD) has provided rainfall estimates at a finer spatial and temporal resolution than the NWS COOP network. For this investigation, NEXRAD-based rainfall data were generated at the NWS COOP stations and compared with measured rainfall data for the period June 13, 2007, to September 30, 2009. Likewise, these NEXRAD-based rainfall data were used with TOPMODEL to simulate streamflow in the McTier Creek watershed and then compared with the simulations made using measured rainfall data. NEXRAD-based rainfall data for non-zero rainfall days were lower than measured rainfall data at all six NWS COOP locations. The total number of concurrent days for which both measured and NEXRAD-based data were available at the COOP stations ranged from 501 to 833, the number of non-zero days ranged from 139 to 209, and the total difference in rainfall ranged from -1.3 to -21.6 inches. With the calibrated TOPMODEL, simulations using NEXRAD-based rainfall data and those using measured rainfall data produce similar results with respect to matching the timing and shape of the hydrographs. Comparison of the bias, which is the mean of the residuals between observed and simulated streamflow, however, reveals that simulations using NEXRAD-based rainfall tended to...

- Read Comparison of Topmodel Streamflow Simulations Using Nexrad-Based and Measured Rainfall Data, McTier Creek Watershed, South Carolina: Usgs Scientific Investigations Report 2012-5120 Online
- Download PDF Comparison of Topmodel Streamflow Simulations Using Nexrad-Based and Measured Rainfall Data, McTier Creek Watershed, South Carolina: Usgs Scientific Investigations Report 2012-5120

#### Relevant Kindle Books



Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner's Crochet Guide with Pictures)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Getting Your FREE Bonus Download this book, read it to the end and...

Read PDF »



Dog Poems For Kids Rhyming Books For Children Dog Unicorn Jerks 2 in 1 Compilation Of Volume 1 3 Just Really Big Jerks Series

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 96 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.LIMITED-TIME SPECIAL: Special Bonus Inside! Thats right... For a limited time...

Read PDF »



Games with Books: 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

Read PDF »



Games with Books: Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

**Read PDF** »



Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How...

**Read PDF** »



#### My Best Bedtime Bible: With a Bedtime Prayer to Share

Lion Hudson Plc. Paperback. Book Condition: new. BRAND NEW, My Best Bedtime Bible: With a Bedtime Prayer to Share, Sophie Piper, Claudine Gevry, This heartwarming collection of ten Bible stories is ideal for reassuring and

Read eBook »



Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.8in. x 6.7in. x 0.2in.Van Gogh for Kids 9.754.99-PaperbackABOUT SMART READS for Kids...

Read eBook »



## Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how

Read eBook »



#### A Little Wisdom for Growing Up: From Father to Son

Wipf Stock Publishers, United States, 2007. Paperback. Book Condition: New. 193 x 119 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Description: A Little Wisdom for Growing Up is an ancient form

Read eBook »



#### Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America

New Press. Hardcover. Book Condition: New. 1565843940 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy-

Read eBook »