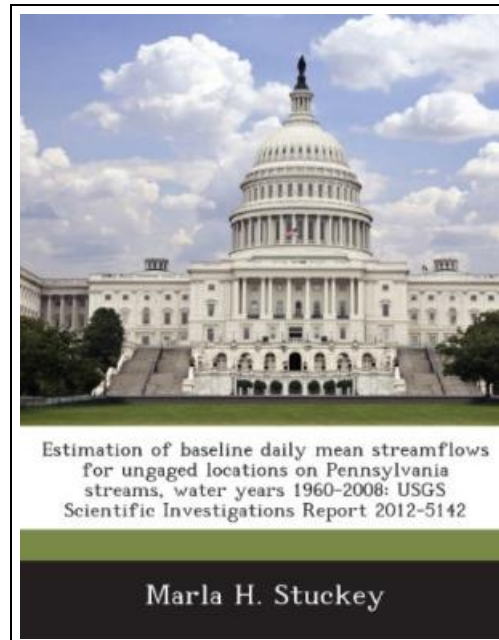# Estimation of Baseline Daily Mean Streamflows for Ungaged Locations on Pennsylvania Streams, Water Years 1960-2008: Usgs Scientific Investigations Report 2012-5142

Estimation of baseline daily mean streamflows for ungaged locations on Pennsylvania streams, water years 1960-2008: USGS Scientific Investigations Report 2012-5142

Marla H. Stuckey

Filesize: 9.41 MB

Reviews

A brand new eBook with a brand new point of view. It is rally fascinating throgh reading through time period. You will like the way the article writer compose this ebook.
(Ciara Senger)

ESTIMATION OF BASELINE DAILY MEAN STREAMFLOWS FOR UNGAGED LOCATIONS ON PENNSYLVANIA STREAMS, WATER YEARS 1960-2008: USGS SCIENTIFIC INVESTIGATIONS REPORT 2012-5142

DOWNLOAD PDF

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 72 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.Water-resource managers use daily mean streamflows to generate streamflow statistics and analyze streamflow conditions. An in-depth evaluation of flow regimes to promote instream ecological health often requires streamflow information obtainable only from a time series hydrograph. Historically, it has been difficult to estimate daily mean streamflow for an ungaged location. The U. S. Geological Survey (USGS), in cooperation with the Pennsylvania Department of Environmental Protection, Susquehanna River Basin Commission, and The Nature Conservancy, has developed the Baseline Streamflow Estimator (BaSE) to estimate baseline streamflow at a daily time scale for ungaged streams in Pennsylvania using data collected during water years 1960-2008. Baseline streamflow is minimally altered by regulation, diversion, or mining, and other anthropogenic activities. Daily mean streamflow is estimated in BaSE using a methodology that equates streamflow as a percentile from a flow duration curve for a particular day at an ungaged location with streamflow as a percentile from the flow duration curve for the same day at a reference streamgage that is considered to be hydrologically similar to the ungaged location. An appropriate reference streamgage is selected using map correlation, in which variogram models are developed that correlate streamflow at one streamgage with streamflows at all other streamgages. The percentiles from a flow duration curve for the ungaged location are converted to streamflow through the use of regression equations. Regression equations used to predict 17 flow-duration exceedance probabilities were developed for Pennsylvania using geographic information system-derived basin characteristics. The standard error of prediction for the regression equations ranged from 11 percent to 92 percent with the mean of 31 percent. This item ships from La Vergne,TN. Paperback.

📄 Read Estimation of Baseline Daily Mean Streamflows for Ungaged Locations on Pennsylvania Streams, Water Years 1960-2008: Usgs Scientific Investigations Report 2012-5142 Online

📄 Download PDF Estimation of Baseline Daily Mean Streamflows for Ungaged Locations on Pennsylvania Streams, Water Years 1960-2008: Usgs Scientific Investigations Report 2012-5142

Other Kindle Books

Scala in Depth

Manning Publications. Paperback. Book Condition: New. Paperback. 304 pages. Dimensions: 9.2in. x 7.3in. x 0.8in.Summary Scala in Depth is a unique new book designed to help you integrate Scala effectively into your development process. By...

Read eBook »

The Battle of Eastleigh, England U.S.N.A.F., 1918

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Dimensions: 9.6in. x 7.3in. x 0.2in.This historic book may have numerous typos and missing text. Purchasers can download a free scanned...

Read eBook »

The Secret of Red Gate Farm (Nancy Drew Mystery Stories, Book 6)

Grosset & Dunlap. Hardcover. Book Condition: New. 0448095068 Brand New right out of the wrapper- I ship FAST with FREE tracking!!.

Read eBook »

Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products

Fair Winds Press, 2006. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by...

Read eBook »

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 eBook »