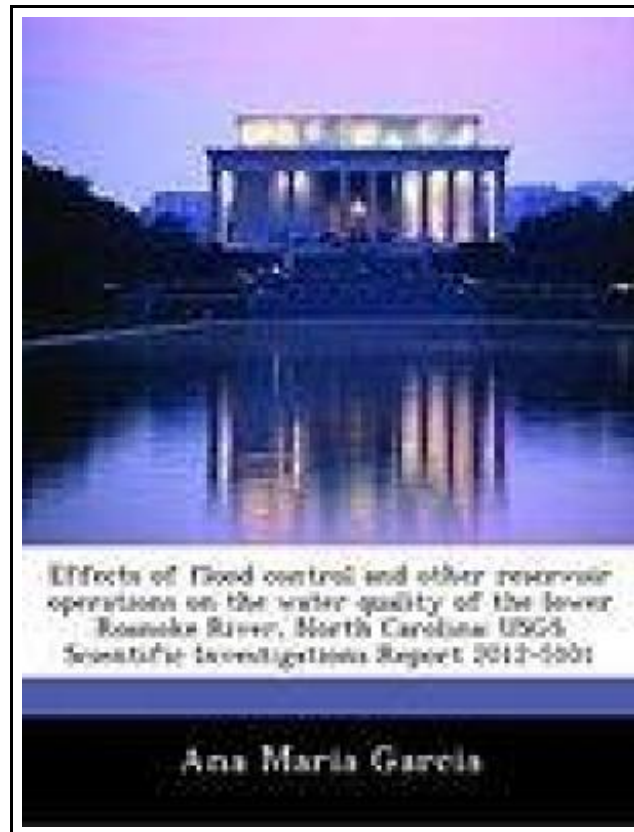


Effects of flood control and other reservoir operations on the water quality of the lower Roanoke River, North Carolina: USGS Scientific Investigations Report 2012-5101



Filesize: 9.72 MB

Reviews

Absolutely essential study publication. Sure, it is enjoy, nonetheless an amazing and interesting literature. I realized this book from my dad and i suggested this pdf to find out.
(Justus Abbott)

EFFECTS OF FLOOD CONTROL AND OTHER RESERVOIR OPERATIONS ON THE WATER QUALITY OF THE LOWER ROANOKE RIVER, NORTH CAROLINA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2012-5101

[DOWNLOAD](#)

Bibliogov Mrz 2013, 2013. Taschenbuch. Book Condition: Neu. 246x189x3 mm. This item is printed on demand - Print on Demand Neuware - The Roanoke River is an important natural resource for North Carolina, Virginia, and the Nation. Flood plains of the lower Roanoke River, which extend from Roanoke Rapids Dam to Batchelor Bay near Albemarle Sound, support a large and diverse population of nesting birds, waterfowl, freshwater and anadromous fish, and other wildlife, including threatened and endangered species. The flow regime of the lower Roanoke River is affected by a number of factors, including flood-management operations at the upstream John H. Kerr Dam and Reservoir. A three-dimensional, numerical water-quality model was developed to explore links between upstream flows and downstream water quality, specifically in-stream dissolved-oxygen dynamics. Calibration of the hydrodynamics and dissolved-oxygen concentrations emphasized the effect that flood-plain drainage has on water and oxygen levels, especially at locations more than 40 kilometers away from the Roanoke Rapids Dam. Model hydrodynamics were calibrated at three locations on the lower Roanoke River, yielding coefficients of determination between 0.5 and 0.9. Dissolved-oxygen concentrations were calibrated at the same sites, and coefficients of determination ranged between 0.6 and 0.8. The model has been used to quantify relations among river flow, flood-plain water level, and in-stream dissolved-oxygen concentrations in support of management of operations of the John H. Kerr Dam, which affects overall flows in the lower Roanoke River. Scenarios have been developed to mitigate the negative effects that timing, duration, and extent of flood-plain inundation may have on vegetation, wildlife, and fisheries in the lower Roanoke River corridor. Under specific scenarios, the model predicted that mean dissolved-oxygen concentrations could be increased by 15 percent by flow-release schedules that minimize the drainage of anoxic flood-plain waters. The model provides a tool for water-quality managers that...



[Read Effects of flood control and other reservoir operations on the water quality of the lower Roanoke River, North Carolina: USGS Scientific Investigations Report 2012-5101 Online](#)



[Download PDF Effects of flood control and other reservoir operations on the water quality of the lower Roanoke River, North Carolina: USGS Scientific Investigations Report 2012-5101](#)

See Also



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Read PDF »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Read 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)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Read 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)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Read PDF »](#)



Adult Coloring Books Reptiles: A Realistic Adult Coloring Book of Lizards, Snakes and Other Reptiles

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.Take your coloring to the next level with this Advanced...

[Read PDF »](#)

**Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package**

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies

[Save ePub »](#)

**Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the

[Save ePub »](#)

**Mass Media Law: The Printing Press to the Internet**

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New.. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The

[Save ePub »](#)

**From Dare to Due Date**

Harlequin, United States, 2016. Paperback. Book Condition: New. Not for Online.. 168 x 104 mm. Language: English . Brand New Book. THE NIGHT THEY MADE A BABY Mia Palinski had never even considered herself the

[Save ePub »](#)

**DK Readers Day at Greenhill Farm Level 1 Beginning to Read**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs

[Save ePub »](#)