

The Power to Detect Trends in Missouri River Fish Populations Within the Pallid Sturgeon Population Assessment Program: Open-File Report 2010-1020



The Power to Detect Trends in Missouri River Fish Populations within the Pallid Sturgeon Population Assessment Program: Open-File Report 2010-1020

U.S. Department of the Interior, United States Geological Survey (USGS), et al., Janice L. Bryan

Filesize: 1.92 MB

Reviews

This is basically the best pdf i have read through until now. It is filled with knowledge and wisdom I am easily can get a enjoyment of studying a created book.

(Dr. Carmine Hayes MD)

THE POWER TO DETECT TRENDS IN MISSOURI RIVER FISH POPULATIONS WITHIN THE PALLID STURGEON POPULATION ASSESSMENT PROGRAM: OPEN-FILE REPORT 2010-1020



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 158 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. As with all large rivers in the United States, the Missouri River has been altered, with approximately 32.5 percent of the main stem length impounded and 32.5 percent channelized. These physical alterations to the environment have had effects on the fisheries, but studies examining the effects of alterations have been localized and for short periods of time. In response to the U. S. Fish and Wildlife Service biological opinion, the U. S. Army Corps of Engineers initiated monitoring of the fish community of the Missouri River in 2003. The goal of the Pallid Sturgeon Population Assessment Program is to provide information to detect changes in populations and habitat preferences with time for pallid sturgeon (*Scaphirhynchus albus*) and native target species in the Missouri River Basin. To determine statistical power of the Pallid Sturgeon Population Assessment Program, a power analysis was conducted using a normal linear mixed model with variance component estimates based on the first 3 years of data (2003 to 2005). In cases where 3 years of data were unavailable, estimates were obtained using those data. It was determined that at least 20 years of data, sampling 12 bends with 8 subsamples per bend, would be required to detect a 5 percent annual decline in most of the target fish populations. Power varied between Zones. Zone 1 (upstream from Lake Sakakawea) did not have any species-gear type combinations with adequate power, whereas Zone 3 (downstream from Gavins Point Dam) had 19 species-gear type combinations with adequate power. With a slight increase in the sampling effort to 12 subsamples per bend, the Pallid Sturgeon Population Assessment Program has adequate power to detect declines in shovelnose sturgeon (*S. platyrhynchus*) throughout...



[Read The Power to Detect Trends in Missouri River Fish Populations Within the Pallid Sturgeon Population Assessment Program: Open-File Report 2010-1020 Online](#)



[Download PDF The Power to Detect Trends in Missouri River Fish Populations Within the Pallid Sturgeon Population Assessment Program: Open-File Report 2010-1020](#)

See Also



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read Document »](#)



Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Barbour Publishing, Inc., 2004. Paperback. Book Condition: New. No Jacket. New paperback book copy of Sarah's New World: The Mayflower Adventure 1620 by Colleen L. Reece. Sisters in Time Series book 1. Christian stories for...

[Read Document »](#)



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read Document »](#)



Anna's Fight for Hope: The Great Depression 1931 (Sisters in Time Series 20)

Barbour Publishing, Inc., 2004. Paperback. Book Condition: New. No Jacket. New paperback book copy of Anna's Fight for Hope: The Great Depression 1931 (Sisters in Time Series 20). Publisher recommended for ages 8 to 12...

[Read Document »](#)



America s Longest War: The United States and Vietnam, 1950-1975

McGraw-Hill Education - Europe, United States, 2013. Paperback. Book Condition: New. 5th. 206 x 137 mm. Language: English . Brand New Book. Respected for its thorough research, comprehensive coverage, and clear, readable style, America s...

[Read Document »](#)



Learning with Curious George Preschool Math

HOUGHTON MIFFLIN, United States, 2012. Paperback. Book Condition: New. Student, Workbook. 279 x 203 mm. Language: English . Brand New Book. There's no better way to ignite your child's curiosity for learning than with Curious

[Download Book »](#)



Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback

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

[Download Book »](#)



10 Most Interesting Stories for Children: New Collection of Moral Stories with Pictures

Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.

[Download Book »](#)



You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Sourcebooks, Inc. Paperback / softback. Book Condition: new. BRAND NEW, You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most, Patricia Hermes, Thirteen-year-old Sarah Morrow doesn't think much of the

[Download Book »](#)



Growing Up: From Baby to Adult High Beginning Book with Online Access

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.

[Download Book »](#)