



## 2008 High-Flow Experiment at Glen Canyon Dam Morphologic Response of Eddy-Deposited Sandbars and Associated Aquatic Backwater Habitats along the Colorado River in Grand Canyon National Park

By U. S. Department of the Interior

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 80 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. The March 2008 high-flow experiment (HFE) at Glen Canyon Dam resulted in sandbar deposition and sandbar reshaping such that the area and volume of associated backwater aquatic habitat in Grand Canyon National Park was greater following the HFE. Analysis of backwater habitat area and volume for 116 locations at 86 study sites, comparing one month before and one month after the HFE, shows that total habitat area increased by 30 percent to as much as a factor of 3 and that volume increased by 80 percent to as much as a factor of 15. These changes resulted from an increase in the area and elevation of sandbars, which isolate backwaters from the main channel, and the scour of eddy return-current channels along the bank where the habitat occurs. Because of this greater relief on the sandbars, backwaters were present across a broader range of flows following the HFE than before the experiment. This item ships from La Vergne, TN. Paperback.

DOWNLOAD



READ ONLINE  
[ 8.06 MB ]

### Reviews

*It is just one of the most popular ebook. It is written in simple words and not confusing. I am just happy to tell you that this is actually the finest ebook I have got read inside my very own existence and may be the greatest ebook for any time.*

-- Vicky Adams

*This is an incredible ebook which I actually have ever go through. This can be for those who state that there had not been a really worth reading. I am just quickly can get a delight of reading a published book.*

-- Ms. Colleen Ziemann V