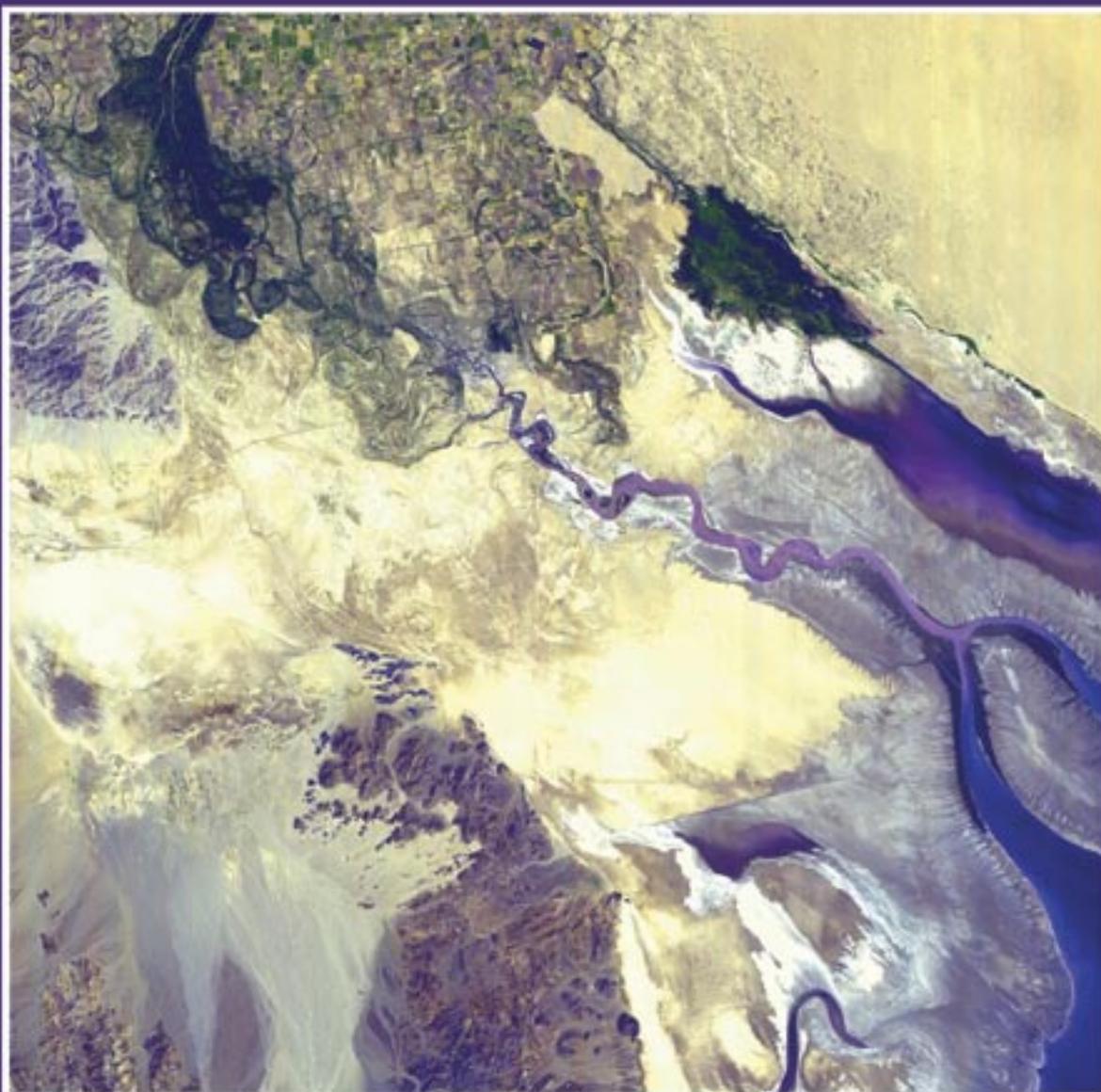


Southwest HYDROLOGY

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The Re-emergence of the Colorado River Delta

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Southwest The Resource for Semi-Arid Hydrology HYDROLOGY

A bimonthly trade magazine for hydrologists, water managers, and other professionals working with water issues.



From the
Publisher

We are pleased to introduce Volume 3 of **Southwest Hydrology** with this issue. Volume 3 is possible because of your continued interest, positive feedback, and participation in the magazine, and the ever-growing list of subscribers and advertisers.

In this issue, we are taking a slightly different approach from our previous features by focusing on a particular area: the Colorado River Delta. While rather neglected until the early 1980s, the area has gained the attention of scientists from many disciplines. We present a variety of perspectives on the delta by covering the topics of water management, water quantity, water quality, riparian restoration, and cross-border collaboration in the region.

We encourage you to contribute your ideas for our upcoming features, which include water as a commodity, GIS applications in hydrology, management aspects of desert terminal lakes, and the use of remote sensing to acquire hydrologic parameters. In addition, we are always looking for book reviewers and relevant books to review, as well as news for our other departments. Tell us what you're working on!

Our thanks to all the contributors to this issue, listed on the opposite page. We wish everyone a happy and healthy new year.

Betsy Woodhouse
Publisher

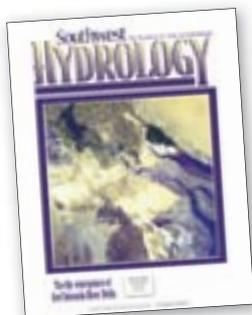


Image of the Colorado River Delta taken on Sept. 8, 2000 by the Spaceborne Thermal Emission and Reflection Radiometer (ASTER) flying aboard the Terra spacecraft.

Courtesy NASA/GSFC/MITI/ERSDAC/JAROS, and U.S./Japan ASTER Science Team.



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The Re-emergence of the Colorado River Delta

The Colorado River Delta covered roughly two million acres of riparian corridors and wetlands when the Europeans first arrived in the area in the 1500s. Dam construction on the river that began in the 1930s and lasted for four decades severely reduced and frequently cut off altogether the flow into the delta during that time. Today the delta covers only about 420,000 acres, but it remains an ecological oasis rich in biodiversity, providing habitat to more than 350 species of birds. Increased river flow in recent decades has helped the ecosystem to recover somewhat; management decisions made now will determine its future. Our feature authors look at the changes in streamflow and riparian habitat over the decades, water quality, water management, and cross-border and grass-roots restoration activities in the delta.

12 Regeneration of Native Trees and Wetlands in the Delta

Edward P. Glenn, Pamela L. Nagler, Reggie Romo, and Osvel Hinojosa-Huerta

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Steve Cornelius, Peter Culp, Jennifer Pitt, and Francisco Zamora

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Jose Marcos and Steve Cornelius

More than 20 nonprofit and academic groups in the United States and Mexico are actively working on projects to restore the Colorado River Delta. This article outlines collaborations in research, resource management, outreach, and education, and defines organizational areas of interest.

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Renee Robichaud

Collaborative projects involving U.S. and Mexican wildlife managers, biologists, and landowners aim to restore the delta and ensure sustainable development. Exchanges and research projects in "sister" protected areas are blurring the boundaries in pursuit of a common goal.

Southwest Hydrology

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Southwest Hydrology welcomes letters and contributions of news, project summaries, product announcements, and items for The Calendar. Send submissions by mail or email as shown below. Visit www.swhydro.arizona.edu for additional guidelines for submissions.

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