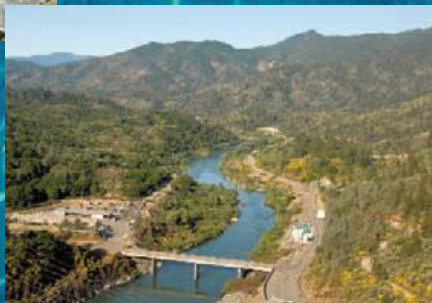


WATER RESOURCES IMPACT

March 2011 | Volume 13 | Number 2



**DISASTER
MANAGEMENT**

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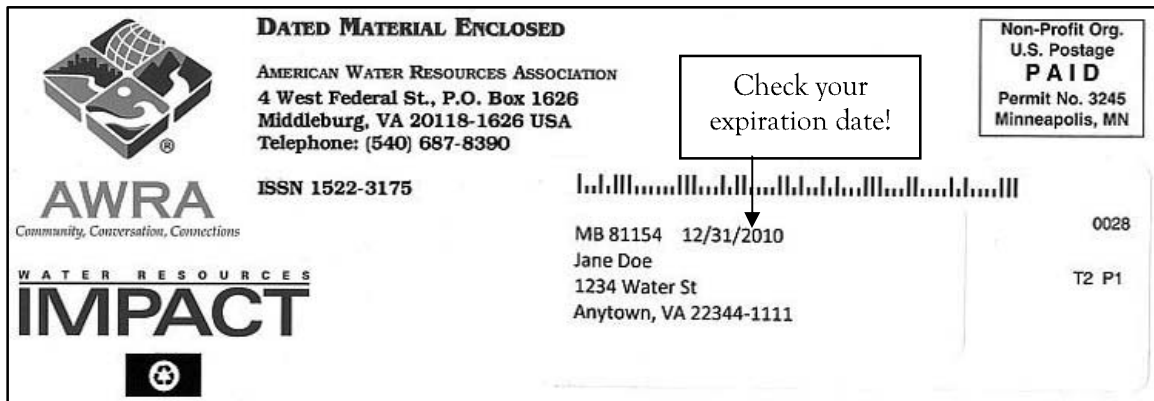
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DISASTER MANAGEMENT

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This issue of *Water Resources IMPACT* focuses on disaster management and water resources. How can disasters be anticipated and mitigated? How does one respond to the aftermath of a great disaster? If a disaster takes place over decades or centuries is it any less important or easier to deal with? Water can be the cause of a wide variety of disasters, and human management of water can lead to relief from or lend to these disasters.

FEATURE ARTICLES

3 California’s Central Valley Flood Control System: Challenges and Opportunities ... Mike Inamine

River systems in the California Central Valley were engineered during the 20th Century to manage water supply and prevent damaging floods. The water control structures have suffered from lack of upkeep and preventative maintenance to the point where they represent as much a source of potential harm as they do protection. The author discusses restoration of these vital public works and the protection of lives and property in the Sacramento area and beyond.

6 The Dam Safety Imperative ... Kenneth R. Wright and Bruce A. Tschantz

Dams of modest to colossal size throughout the United States are reaching or have reached and exceeded their operational lifespans and the need to catalog conditions, prioritize repair, replacement, and in some cases controlled destruction is much overdue. This article discusses where dam safety stands today and what must be done to address the pressing needs for prevention of failure of these key structures.

9 If the Creeks Don’t Rise: The May 2010 Flood in Nashville ... Rodney R. Knight, William J. Wolfe, and David E. Ladd

The aftermath, recovery, and lessons of the future following a major flood that inundated the greater Nashville area one year ago are the subjects of this article. The authors discuss what led up to the event, its impacts, and what, if anything, can be done to prevent or diminish the reoccurrence of such flooding in the future.

13 Slow Motion Disaster: The Big Picture of Converging Effects of Climate Change, Sea Level Rise, and Fossil Fuel Depletion on the Viability of Human Habitat of Oceania and the Coastal Margin of the Pacific Rim ... Eric J. Fitch

Islands within and the coastal margins around the Pacific Ocean are areas where sea level rise and climate change have both immediate and long term environmental, economic, and social/cultural impacts. Response to these disasters has been forestalled by international disagreements, economic barriers and strife, and the illusion that cheap fossil fuel based energy is forever. The long term sustainability of human habitats, societies, and cultures are threatened by actions and decisions largely taken a world away.

17 Katrina Revisited – Again: Personal Observation From a Long Term Resident of the Crescent City ... Kenneth A. “Budd” Goodwin

The impacts of hurricane Katrina and its aftermath have been discussed and analyzed in this and many publications in great detail in the 5+ years since landfall, and most of the articles have been from the standpoint of natural and social science. The author, a long term resident of New Orleans, shares a personal reflection on the event and the aftermath and recovery of the Crescent City.

Other features in this issue ...

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