SEA LEVEL RISE
AND COASTAL ZONE
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The subject of this issue of IMPACT is Sea Level Rise and Coastal Zone Management. When the subject of sea level rise is discussed the emphasis is almost always on what happens to the land resources. Sea level rise is now and will continue into the future to be problematic for coastal freshwater, ground water, and estuarine systems as well. These articles address the issue from a variety of geographic standpoints and discuss a number of approaches to adaptation to rising sea levels.

**FEATURE ARTICLES**

4 **Sea Level Rise: Concerns for Coastal Management of Land and Freshwater Resources – An Overview**  
   *Eric J. Fitch*  
   Provides an overview of what is known about global sea level rise and its potential impacts on coastal areas.

6 **Sea Level Rise: An Increasing Risk to California Water Projects**  
   *Maurice Roos*  
   Examines the role of sea level rise and its impact on water resource planning and infrastructure in the Golden State.

10 **Severe Storms and Sea Level Rise in New York City**  
   *Vivien Gornitz and Cynthia Rosenzweig*  
   Much of New York City is surrounded by fresh, estuarine, and salt water and its infrastructure is vulnerable to flooding and storm surge. The authors address the impacts of sea level rise and severe coastal storms on this modern metropolis.

15 **Scenario Based Assessment of Sea Level Rise Impacts: A Method for Planning Under Uncertain Conditions**  
   *Kris Esterson*  
   Can large scale, long term land use planning be done to prepare for sea level rise? The author of this article discusses a technique for making such projections using Key West, Florida, as an example.

18 **Managing the Catastrophic Impacts of Sea Level Rise in Hawaii**  
   *Jason K. Levy*  
   Surrounded as Hawai‘i is by water, the speed and degree of sea level rise is an issue that is a real and present concern for planners. The author addresses key facts concerning possible sea level rise in Hawai‘i and what can be done to project and mitigate its impact.