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Introduction

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INTRODUCTION

In this issue of the *Natural Resources Journal* we present a series of articles on familiar natural resource and transboundary matters, ranging from water management and indigenous use-rights to climate change mitigation and international law.

Three articles relate broadly to water and water management. Carl J. Bauer uses Chile as a case study to explore the inevitable conflict between hydropower and water management. He concludes that Chile's neoliberal policies favoring hydropower and electricity over water management are bad news for water sustainability and governance. Michael C. Blumm and Jane G. Steadman review the history of federal jurisprudence on Pacific Northwest treaty fishing rights culminating in the 2007 Culverts Case, which the authors consider to be "the most important treaty fishing rights decision in decades" for its potential "to rectify a fundamental unfairness in treaty fishing rights law." Authors Craig D. Broadbent, David S. Brookshire, Don Coursey, and Vince Tidwell write about the potential of water markets that allow for the temporary transfer of water rights and determine that such markets could serve as an efficient and effective means to fulfill water demands in fully allocated or over-allocated river systems, such as New Mexico's Middle Rio Grande Basin.

Two articles focus on climate change and the problem of mitigating greenhouse gas emissions. Jerrold A. Long considers the disconnect between individual choice and climate impacts and contends that the best climate mitigation solutions operate locally because they best motivate personal and institutional change. Recent law school graduate Adam Gardner Rankin reviews the U.S. Environmental Protection Agency's proposed rule on geologic sequestration of carbon dioxide and suggests that, given the technology's potential to make significant emissions cuts, the proposed rule fails to ameliorate the disincentive of potential long-term financial and legal liability.

Finally, two articles use the lens of international law to evaluate developing transboundary issues. Authors Stephen P. Mumme and Oscar Ibáñez argue that the United States' unilateral action of building security infrastructure along the U.S. border with Mexico implicates at least six international agreements, complicating the United States' approach to international security. And recent law school graduate Kristin Noelle Casper warns that, as diminishing sea ice increases access to reserves, existing international agreements are not sufficiently protecting the Arctic environment from the potential adverse impacts of anticipated oil and gas exploration. She argues for a legally binding regional agreement that would regulate oil and gas development.

We hope you find these articles stimulating and relevant.

—Sally Paez & Adam Rankin
Co-Editors-in-Chief