Environmental Best Management Practices for Aquaculture

The first synthesis of best management practices that minimize environmental impacts - published in cooperation with the United States Aquaculture Society

Population growth and increased appreciation of seafood’s role in human health have pushed global seafood consumption past the point where capture fisheries can meet demand. Aquaculture—farming aquatic plants and animals in oceans and inland waters—has expanded rapidly in the past decade in response to the increased demand for fishery products. The rapid growth of aquaculture domestically and internationally has stimulated concerns over social and environmental impacts caused by increased production of farmed aquatic species. Environmental advocacy groups and government regulatory agencies have called for better management to address potentially negative impacts and assure sustainable aquaculture development.

This book provides technical guidance to improve the environmental performance of aquaculture. It’s the only comprehensive guide to best management practices for mitigation of environmental impacts of aquaculture. It addresses development and implementation of best management practices, practices for specific aquaculture production systems, and the economics of implementing best management practices.

With contributions from internationally recognized experts in environmental management and aquaculture from academia, government, and non-governmental organizations, this book is a valuable reference for innovative producers, policy makers, regulators, research scientists, and students.