Contents

Introduction
Orson P. Smith ................................................................. 1

Shoreline Trends in Alaska
Living with the Coast of Alaska Revisited:
The Good, the Bad, and the Ugly
Owen K. Mason .............................................................. 3

Global Sea Level Rise and Relative Sea Level Change in Alaska
Roman J. Motyka, Christopher Larsen, Jeff Freymueller, and Anthony Arendt ............ 19

Ice, Wind, Waves, and Storminess Trends along the Alaska Coast
David E. Atkinson .......................................................... 25

Coastal Zone Management in Alaska
Management Responses to Erosion
Christy L. Miller ............................................................. 29

State and Coastal District Plan and Policy Influence on Coastal Hazards: Background and History of the Alaska Coastal Management Program (ACMP)
Randy Bates ................................................................. 35

Coastal Erosion Data Collection and Analysis
Understanding Shoreline Change
Bruce Richmond ............................................................ 43

Coastal Sediment Budgets
Peter Ruggiero ............................................................. 49

Coastal Management Responses to Erosion
Alaska District Coastal Engineering Policy and Planning Issues
Bruce Sexauer .............................................................. 55

Design of Shore Protection for Alaska
Proven Constructed Works
Steven A. Hughes .......................................................... 61

Arctic and Low-Cost Erosion Control: Designs for Alaska
Jon E. Zufelt and Orson P. Smith ................................. 67