Table of Contents

Guest Editors: Brian H. Greene and Kerry Cato

1 Gatun Dam—Megastructure of the Panama Canal
   J. David Rogers and Manuel H. Barrelier

23 Seepage Investigation for Remedial Grouting, Crafton Hills Reservoir, California
   Holly J. Nichols

39 Pedro Miguel Fault Investigations: Borinquen Dam 1E Construction and the Panama Canal Expansion
   David L. Schug, Paul Salter, Christopher Goetz, and Derek Irving

55 Qualitative Rock Wedge Stability Evaluation Performed for Foundation of Green Peter Dam, Oregon
   Todd N. Loar

75 Lessons Learned from USACE Seepage Barrier Wall Construction: Wolf Creek to Present
   Georgette Hlepas and Vanessa Bateman

89 Failure of the Alexander Dam Embankment and Reconstruction Using Drainage Mitigation on Kauai, Hawaii, 1930–1932
   Kerry D. Cato and J. David Rogers

111 Discovering the Polaris Fault, Martis Creek Dam, Truckee, California
   Lewis E. Hunter, Ronn S. Rose, Bruce Hilton, William McCormick, and Todd Crampton

121 Grout Curtain Construction at Bolivar Dam, Ohio
   Michael C. Nield