

Contents

| | | |
|----------|--|------------|
| 1 | Introduction | 1 |
| | Marcha Johnson | |
| 2 | Traditional Cultures Editorial: Mobility and Innovation in Traditional Coastal Cultures | 7 |
| | John R. Gillis | |
| 3 | Designing the Edge Editorial | 15 |
| | Carter Craft | |
| 4 | Literature Review: Principles and Practices of Coastal Adaptation in the Era of Climate Change | 23 |
| | Donald Watson | |
| 5 | Case Study: Hunts Point, the Brooklyn Greenway, and the East Shore of Staten Island | 41 |
| | Tricia Martin, Andrew Moore, Richard Roark and Eric Rothstein | |
| 6 | Case Study: Seahurst and Percival | 57 |
| | Peter Hummel and Anna Spooner | |
| 7 | Case Study: Jamaica Bay Fringing Vegetation: Restoring Upland Habitats at an Urban Shoreline | 85 |
| | Steven N. Handel and Christina M.K. Kaunzinger | |
| 8 | Case Study: Establishing Ecological Trajectory and Design Solutions for the Ash Creek Estuary | 103 |
| | Bryan Quinn | |
| 9 | Plan for the Future: Adaptations by Marine Organisms and Shoreline Substrates to Coastal Conditions, Lessons for Planning Human Communities | 115 |
| | Marcha Johnson | |

10 Plan for the Future: Advancing Ecological Engineering Through Science, Conceptual Design, and Community Resilience Building 125
Adam W. Whelchel

11 Protect the Ocean, Protect Ourselves. 155
Sylvia Earle

12 Concluding Statement: Saving Coastal Ecosystems and Our Life Support System While We Save Our Waterfront Cities. 163
Marcha Johnson

Index 165

Coastal Change, Ocean Conservation and Resilient
Communities

Johnson, M.; Bayley, A. (Eds.)

2016, XI, 168 p. 93 illus., 90 illus. in color., Hardcover

ISBN: 978-3-319-41913-8