

Contents

List of Illustrations / xi

Acknowledgments / xix

Introduction / 1

1 Florida Defined / 10

2 Florida Lost: Wandering the Globe and Finding Home
(~700 Ma to ~200 Ma) / 23

3 The Big Split: Formation of Three Oceans and the Establishment of the Florida
Basement (~225 Ma to ~140 Ma) / 35

4 The Carbonate Factory Cranks Up: Florida Being Born from the Sea
(~160 Ma to Present) / 52

5 An Environmental Crisis: Drowning of the West Florida Margin and
Development of the West Florida Escarpment (~100 Ma to ~80 Ma) / 70

6

Clash of Geologic Terrains: Colliding with Cuba (~56 Ma to ~40 Ma) / 93

7

Dissolution Tectonics: Sinkhole Development (~140 Ma to Present) / 107

8

Sands from the North: The Quartz Sand Invasion (~30 Ma to Present) / 132

9

Erosion in the Ocean, Marine Fertility, and Huge Sharks: The Florida Phosphate Story (~22 Ma to ~5 Ma) / 157

10

The Finish Line in Sight: Approaching Modern Florida and the Emergence of South Florida (~2.5 Ma to ~10 ka) / 185

Epilogue / 211

Index / 219