

Contents

Preface ix

List of Abbreviations xv

1	Getting Started	1
2	Location, Location, Location	17
3	Floods, Temperature, Evolution, and It's about Time	125
4	How Do They Do That?	155
5	Early On: Middle Cretaceous through the Early Eocene	173
6	Transition: Middle Eocene through the Early Miocene	209
7	Modernizing: Middle Miocene through the Pliocene	235
8	Latest Touch: The Great Ice Ages	275
9	The Bigger Picture: Implications of Past Environmental Changes in the New World	315
10	Pole to Pole: A Walk over the Landscape, a Walk through Time	339

Epilogue 367

Index 373