This edited volume brings together a series of case studies and overview chapters that explore, for the first time, how deposit modelling can be used during the design of archaeological evaluation and mitigation strategies and associated field- and post-excavation work. Deposit models can enhance our understanding of cultural and environmental records, and provide robust assessments of archaeological risk, thereby saving clients both time and money. From individual sites to landscape-scale studies across a range of depositional environments, this volume provides project managers, curatorial archaeologists and consultants with a best-practice guide to deposit modelling. It is designed to assist the collection, analysis, interpretation and archiving of geoarchaeological data and to guide the reader through the modelling process, thus providing a cost-effective toolkit for archaeological projects.