

1. Record Nr.	UNINA9910781300803321
Titolo	Missouri River planning [[electronic resource]] : recognizing and incorporating sediment management // National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2011
ISBN	0-309-20967-6 1-283-01914-0 9786613019141 0-309-16204-1
Descrizione fisica	1 online resource (165 p.)
Disciplina	333.9528
Soggetti	Sediment control - Missouri River Missouri River
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Committee on Missouri River Recovery and Associated Sediment Management Issues, Water Science and Technology Board, Division of Earth and Life Studies."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Preface""; ""Contents""; ""Summary""; ""1 Introduction""; ""2 Changes in Missouri River Sediment and Related Processes""; ""3 Missouri River Governance: Institutions, Laws, and Policies for Managing Sediment and Related Resources""; ""4 Sediment and Current Ecological Restoration Activities""; ""5 Sediment Management Alternatives and Opportunities""; ""6 Water Quality and Missouri River Sediment Management""; ""7 Science, Policy, and Future Decision Making Along the Missouri River""; ""References""; ""Appendix A: Guest Speakers at Committee Meetings"" ""Appendix B: Acronyms""""Appendix C: Biographical Information: Committee on Missouri River Recovery and Associated Sediment Management Issues""
Sommario/riassunto	"Historically, the flow of sediment in the Missouri River has been as important as the flow of water for a variety of river functions. The sediment has helped form a dynamic network of islands, sandbars, and floodplains, and provided habitats for native species. Further

downstream, sediment transported by the Missouri and Mississippi Rivers has helped build and sustain the coastal wetlands of the Mississippi River delta. The construction of dams and river bank control structures on the Missouri River and its tributaries, however, has markedly reduced the volume of sediment transported by the river. These projects have had several ecological impacts, most notably on some native fish and bird species that depended on habitats and landforms created by sediment flow. Missouri River Planning describes the historic role of sediment in the Missouri River, evaluates current habitat restoration strategies, and discusses possible sediment management alternatives. The book finds that a better understanding of the processes of sediment transport, erosion, and deposition in the Missouri River will be useful in furthering river management objectives, such as protection of endangered species and development of water quality standards."--Publisher's description.
