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Autore	Miller Jerry R
Titolo	Application of Geochemical Tracers to Fluvial Sediment // by Jerry R. Miller, Gail Mackin, Suzanne M. Orbock Miller
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-13221-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (148 p.)
Collana	SpringerBriefs in Earth Sciences, , 2191-5369
Disciplina	627.54
Soggetti	Sedimentology Geochemistry Environmental health Hydrogeology Environmental Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Geochemical Fingerprinting -- Fallout Radionuclides -- Radiogenic Isotopes -- Stable 'Non-Traditional' Isotopes -- Abbreviations, Unit Conversions, and Elemental Data.
Sommario/riassunto	This book takes an in-depth look at the theory and methods inherent in the tracing of riverine sediments. Examined tracers include multi-elemental concentration data, fallout radionuclides (e.g., <sup>210</sup> Pb, <sup>137</sup> Cs, <sup>7</sup> Be), radiogenic isotopes (particularly those of Pb, Sr, and Nd), and novel ("non-traditional") stable isotopes (e.g., Cd, Cu, Hg, and Zn), the latter of which owe their application to recent advances in analytical chemistry. The intended goal is not to replace more 'traditional' analyses of the riverine sediment system, but to show how tracer/fingerprinting studies can be used to gain insights into system functions that would not otherwise be possible. The text, then, provides researchers and catchment managers with a summary of the strengths and limitations of the examined techniques in terms of their temporal and spatial resolution, data requirements, and the uncertainties in the generated results. The use of environmental tracers has increased significantly during the past decade because it has

become clear that documentation of sediment and sediment-associated contaminant provenance and dispersal is essential to mitigate their potentially harmful effects on aquatic ecosystems. Moreover, the use of monitoring programs to determine the source of sediments to a water body has proven to be a costly, labor intensive, long-term process with a spatial resolution that is limited by the number of monitoring sites that can be effectively maintained. Alternative approaches, including the identification and analysis of eroded upland areas and the use of distributed modeling routines also have proven problematic. The application of tracers within riverine environments has evolved such that they focus on sediments from two general sources: upland areas and specific, localized, anthropogenic point sources. Of particular importance to the former is the development of geochemical fingerprinting methods that quantify sediment provenance (and to a much lesser degree, sediment-associated contaminants) at the catchment scale. These methods have largely developed independently of the use of tracers to document the source and dispersal pathways of contaminated particles from point-sources of anthropogenic pollution at the reach- to river corridor-scale. Future studies are likely to begin merging the strengths of both approaches while relying on multiple tracer types to address management and regulatory issues, particularly within the context of the rapidly developing field of environmental forensics.

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2. Record Nr.	UNINA9910963998303321
Autore	Jung Carl G.
Titolo	Collected Works of C.G. Jung . Volume 19 Collected Works of C.G. Jung, Volume 19 ; General Bibliography - Revised Edition // C. G. Jung; Lisa Ress, William McGuire
Pubbl/distr/stampa	Princeton, NJ : , : Princeton University Press, , [2014] ©1979
ISBN	9780691259437 0691259437 9781400851027 1400851025
Edizione	[Revised]
Descrizione fisica	1 online resource (0 p.)
Collana	Collected Works of C.G. Jung ; ; Volume 19
Disciplina	150.19/54
Soggetti	PSYCHOLOGY / Movements / Psychoanalysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- EDITORIAL NOTE TO THE REVISED EDITION -- Contents -- ABBREVIATIONS -- I. THE PUBLISHED WRITINGS OF G.G. JUNG: Original Works and Transation -- II. THE COLLECTED WORKS OF C.G. JUNG DIE GESAMMELTEN WERKE VON C.G.JUNG -- III. SEMINAR NOTES -- INDEX
Sommario/riassunto	As a current record of all of C. G. Jung's publications in German and in English, this volume will replace the general bibliography published in 1979 as Volume 19 of the Collected Works of C. G. Jung. In the form of a checklist, this new volume records through 1990 the initial publication of each original work by Jung, each translation into English, and all significant new editions, including paperbacks and publications in periodicals. The contents of the respective volumes of the Collected Works of C. G. Jung and the Gesammelte Werke (published in Switzerland) are listed in parallel to show the interrelation of the two editions. Jung's seminars are dealt with in detail. Where possible, information is provided about the origin of works that were first conceived as lectures. There are indexes of all publications, personal names, organizations and societies, and periodicals.

