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Titolo	Monitoring ecological impacts : concepts and practice in flowing waters // Barbara J. Downes [and others] [[electronic resource]]
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Descrizione fisica	1 online resource (xii, 434 pages) : digital, PDF file(s)
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Soggetti	Water quality biological assessment Stream ecology
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Nota di bibliografia	Includes bibliographical references (p. 392-420).
Nota di contenuto	Introduction to the nature of monitoring problems and to rivers -- Principles of inference and design -- Applying principles of inference and design.
Sommario/riassunto	Monitoring Ecological Impacts provides the tools needed by professional ecologists, scientists, engineers, planners and managers to design assessment programs that can reliably monitor, detect and allow management of human impacts on the natural environment. The procedures described are well grounded in inferential logic, and the statistical models needed to analyse complex data are given. Step-by-step guidelines and flow diagrams provide the reader with clear and useable protocols, which can be applied in any region of the world and to a wide range of human impacts. In addition, real examples are used to show how the theory can be put into practice. Although the context

of this book is flowing water environments, especially rivers and streams, the advice for designing assessment programs can be applied to any ecosystem.
