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Titolo	Floodplain management : a new approach for a new era // Bob Freitag ... [et al.]
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Descrizione fisica	1 online resource (255 p.)
Altri autori (Persone)	FreitagBob
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 227-232) and index.
Nota di contenuto	Floods are not the problem. Case study: Louisa County, Iowa -- A new vocabulary. Case study: Snoqualmie, Washington -- Rivers and floodplains. Case study: Soldiers Grove, Wisconsin -- Natural processes must drive solutions. Case study: New York, New York -- Our relationship to rivers. Case study: Chicago, Illinois -- Approaches: structural and nonstructural. Case study: Buck Hollow River, Oregon -- Capabilities and tools. Case study: Davenport, Iowa -- Strategies: work with, not against, rivers. Case study: flooding of I-5 in Washington -- Choosing the best strategy. case study: Tulsa, Oklahoma -- What next? case study: Rivergrove.
Sommario/riassunto	Floodplain Management outlines a new paradigm for flood management, one that emphasizes cost-effective, long-term success by integrating physical, chemical, and biological systems with societal capabilities. It describes our present flood management practices, which are often based on dam or levee projects that do not incorporate the latest understandings about river processes. And it suggests that a better solution is to work with the natural tendencies of the river: retreat from the floodplain by preventing future development (and sometimes even removing existing structures); accommodate the effects of floodwaters with building practices; and protect assets with nonstructural measures if possible--and with large structural projects only if absolutely necessary.