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Titolo	Curve number hydrology : state of the practice / / prepared by the ASCE/EWRI Curve Number Hydrology Task Committee ; sponsored by Environmental and Water Resources Institute (EWRI) of the American Society of Civil Engineers ; edited by Richard H. Hawkins ... [et al.]
Pubbl/distr/stampa	Reston, VA, : American Society of Civil Engineers, c2009
ISBN	0-7844-7257-2
Descrizione fisica	1 online resource (117 p.)
Altri autori (Persone)	HawkinsRichard H. <1934->
Disciplina	551.48/8
Soggetti	Runoff Rain and rainfall Hydraulic engineering Hydrology Water resources development
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 (p. 77-104) and index.
Nota di contenuto	Introduction; Curve Number Method; Findings and Developments; Summary, Conclusion, Discussion, and Recommendations; Solutions to the Curve Number Equation; List of Symbols; References; Back Matter; Index
Sommario/riassunto	Prepared by the Curve Number Hydrology Task Committee of the Environmental and Water Resources Institute of ASCE. This volume investigates the origin, development, role, application, and current status of the curve number method for estimating the runoff response from rainstorms. Developed in the 1950s to fill a technological niche, use of the curve number method has extended since then to other applications, and user experience and analysis have redefined numerous features of the original technology. Topics include: an introduction to curve number hydrology; the curve number method; findings and developments; structure of the basic equation; soil moisture modeling; calibration methods; current usage and professional practice; and recommendations, including assignment of a keeper to serve as the central source for responsible information and

updates. An appendix provides solutions to the curve number equation. This book will be valuable to water and environmental engineers involved in hydrology, especially the analysis of rainwater runoff problems.