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	Titolo	Forest soils : properties and processes / / K. A. Armson
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	ISBN	1-4426-5633-6
	Descrizione fisica	1 online resource (407 p.)
	Collana	Heritage
	Disciplina	634.9
	Soggetti	Forest soils Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
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	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Frontmatter -- Contents -- Preface -- Introduction -- 1. Forest soil: what it is and how to describe it -- 2. The architecture of soil: texture, structure, and porosity -- 3. Colour, temperature, and aeration -- 4. Soil water: the lifeblood of soil -- 5. Soil organic matter -- 6. Soil biology: organisms and processes -- 7. Soil chemistry -- 8. Soil fertility -- 9. Soil classification -- 10. Soil surveys -- 11. Roots and soil -- 12. Fire and soil -- 13. The hydrologie cycle -- 14. Nutrient cycling -- 15. Forest soil development -- 16. Soils and changing landscapes and use -- Appendix 1: Procedures for soil profile description and sampling -- Appendix 2: Common and scientific names of trees and shrubs -- References -- Index
	Sommario/riassunto	This is a comprehensive study of forest soils for foresters, wildlife and park managers, ecologists, and others interested in forest soils. It provides a valuable text for introductory and more advanced courses. The first ten chapters deal with basic soil information: texture, structure, and porosity; colour, temperature, and aeration; water; organic content; biological organisms and processes; chemistry; fertility; classification; and surveys. The last six chapters consider the components of the forest soil systems as related processes, discussing roots, fire, and water and nutrient cycles as they exist in natural forests and as they are modified by man. Professor Armson examines the process of forest soil development, and the place of soil as a part of a

continuously changing landscape from both the historical and ecological viewpoints. An appendix describes the procedures for soil profile description and sampling. Full bibliographical references are supplied.