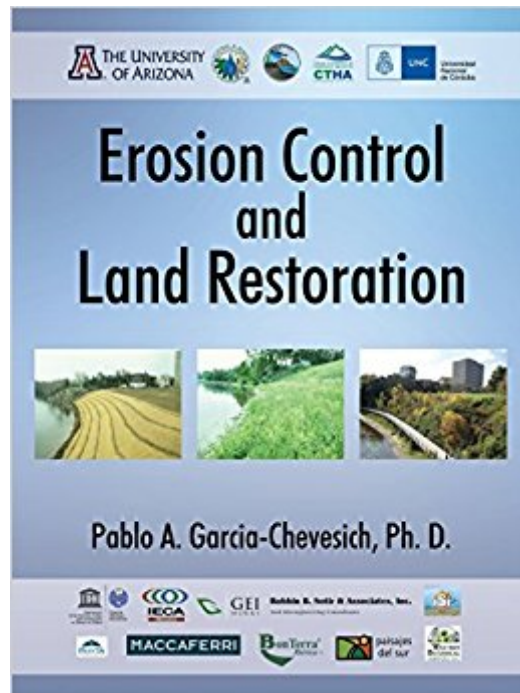




The book was found

# Erosion Control And Land Restoration



## Synopsis

This book is used as a required text for undergraduate, graduate, and short courses in many countries. It represents the most updated material in the field of erosion/sediment control and the recovery of degraded land, being a handy tool for researchers, educators, consultants, expert witnesses, and students in general.

**TABLE OF CONTENTS**

**UNIT I. INTRODUCTION TO EROSION PROCESSES**

Chapter 1. The phenomenon of soil erosion

Chapter 2. Agents and types of erosion

Chapter 3. Factors affecting soil erosion

Chapter 4. Measurement of soil erosion

**UNIT II. HYDROLOGY AND DESIGN RUNOFF**

Chapter 5. Watershed hydrology

Chapter 6. Precipitation and return period

Chapter 7. Determining the design runoff

**UNIT III. METHODS AND PRACTICES**

Chapter 8. Geosynthetics

Chapter 9. Fiber rolls

Chapter 10. Silt fences

Chapter 11. Hydroseeding

Chapter 12. Design and implementation of turbidity curtains

Chapter 13. Biotechnical and bioengineering techniques

Chapter 14. Design of check dams

Chapter 15. Design of stable non-vegetated channels

Chapter 16. Design of stable vegetated channels

Chapter 17. Design of stable channels with rip-raps

Chapter 18. Design of terraces and infiltration trenches

Chapter 19. Stabilization of bridges

Chapter 20. Design of gabions

Chapter 21. Design and implementation of groynes

Chapter 22. Soil reinforcement

Chapter 23. Lining of channels and riverside defenses

Chapter 24. Rock slope stabilization

Chapter 25. Post-fire erosion control

Chapter 26. Coastal erosion control

Chapter 27. Wind erosion control

Chapter 28. Mine tiling remediation and phytoremediation

Chapter 29. Dirt road stabilization and drainage

Chapter 30. Land restoration in arid environments

Chapter 31. Reservoir sediment management

## Book Information

Paperback: 472 pages

Publisher: Outskirts Press (October 28, 2015)

Language: English

ISBN-10: 1478765836

ISBN-13: 978-1478765837

Product Dimensions: 8.3 x 1 x 11 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #498,860 in Books (See Top 100 in Books) #111 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology](#) #6595 in [Books > Science & Math > Earth Sciences](#)

## Customer Reviews

The future of our species is currently being threatened by three main environmental issues: global warming, overpopulation, and soil erosion and desertification. This text addresses the third issue. Worldwide, an area equivalent to 36 football fields is lost every minute due to erosion and desertification processes; in many places this loss never recovers again. This book provides the knowledge needed to successfully stabilize any situation in which soil erosion has occurred or is occurring, returning the land to a natural and/or productive state. This book is intended for use by anyone dealing with natural resources management, alterations in the soil-water-plant relationship, or the application of engineering principles to restore eroded or altered land - that is, researchers, professors, students, consultants, and other professionals. Available in English and Spanish, this book is used as a required text for undergraduate, graduate, and short courses focused on soil conservation, erosion/sediment control, and land restoration practices in many countries worldwide. By purchasing this book, you are contributing to the SOIL Fund of the International Erosion Control Association, which provides worldwide resources for land restoration projects that benefit poor communities.Ã A

Pablo A. Garcia-Chevesich is a forest engineer with a M.Sc. in Watershed Management and a Ph.D. in Agricultural and Biosystems Engineering (University of Arizona). Dr. Garcia-Chevesich is a researcher, professor, consultant, and expert witness in the field of watershed management, with a strong focus on hydrology, erosion/sediment processes and control, land restoration, and climate change mitigation from the natural resources management perspective. The author of numerous publications teaches courses in several US states, Europe, and South America. Originally from Chile, Dr. Garcia-Chevesich is constantly involved in research/development projects in several parts of the world. He is a Board Member of the International Erosion Control Association (Western Chapter) and the US Ambassador for UNESCO's International Sediment Initiative.

Excellent resource for anything and everything you need to know about soil erosion, the processes which cause soil erosion, and how to control it. Covering important areas like land restoration, and the impacts of climate change with regards to hydrology and desertification, this is well worth adding to your reading list and library on such topics.

[Download to continue reading...](#)

Erosion Control and Land Restoration Volkswagen Bay Transporter Restoration Manual: The

Step-by-Step Guide to the Entire Restoration Process (Restoration Manuals) Erosion and Sediment Control Handbook A Guide for Desert and Dryland Restoration: New Hope for Arid Lands (The Science and Practice of Ecological Restoration Series) Extreme Restoration: A comprehensive guide to the restoration and preservation of antique clocks Panther, Autopsy and Restoration: The Panther Restoration at the Saumur Tank Museum How to restore Honda Fours: Covers CB350, 400, 500, 550, 650 & 750, SOHC Fours 1969-1982 - YOUR step-by-step colour illustrated guide to complete restoration (Enthusiast's Restoration Manual) Trans Am & Firebird Restoration: 1970-1/2 - 1981 (Restoration How-to) Erosion and Weathering (Rocks: the Hard Facts) Missouri Geology: Three Billion Years of Volcanoes, Seas, Sediments, and Erosion Erosion and Sedimentation Cohesive Sediments in Open Channels: Erosion, Transport and Deposition Examining Erosion (Searchlight Books: Do You Dig Earth Science?) Erosion: Changing Earth's Surface (Amazing Science) Dirt: The Erosion of Civilizations NLP: Neuro Linguistic Programming: Re-program your control over emotions and behavior, Mind Control - 3rd Edition (Hypnosis, Meditation, Zen, Self-Hypnosis, Mind Control, CBT) NLP: Persuasive Language Hacks: Instant Social Influence With Subliminal Thought Control and Neuro Linguistic Programming (NLP, Mind Control, Social Influence, ... Thought Control, Hypnosis, Communication) Pest - Mice and Rats Rodent Control: Standard and Natural Ways to Eliminate Rat and Mice Infestations for Good! (Natural pest control, extermination, get rid of rodents) Journey from Great Bear Lake to Wollaston Land and Recent Explorations along the South and East Coast of Victoria Land (1852) Planning and Control of Land Development: Cases and Materials, Ninth Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)