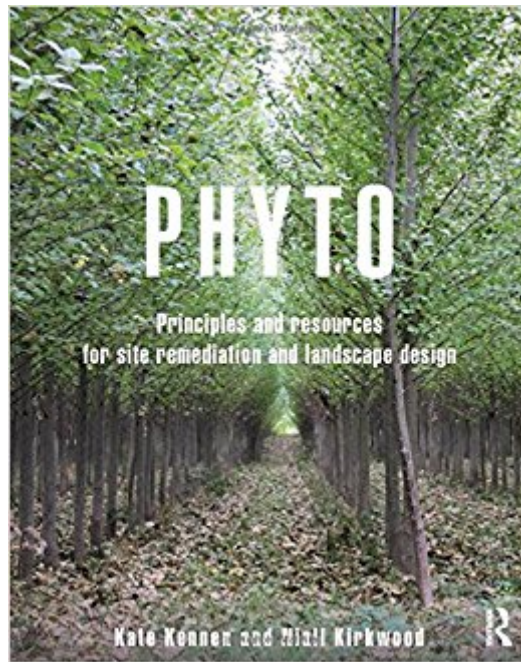# Phyto: Principles And Resources For Site Remediation And Landscape Design

Synopsis

PHYTO presents the concepts of phytoremediation and phytotechnology in one comprehensive guide, illustrating when plants can be considered for the uptake, removal or mitigation of on-site pollutants. Current scientific case studies are covered, highlighting the advantages and limitations of plant-based cleanup. Typical contaminant groups found in theÂ built environment are explained, and plant lists for mitigation of specific contaminants are included where applicable.This is the first book to address the benefits of phytotechnologies from a design point of view, taking complex scientific terms and translating the research into an easy-to-understand reference book for those involved in creating planting solutions. Typically, phytotechnology planting techniques are currently employed post-site contamination to help clean-up already contaminated soil by taking advantage of the positive effects that plants can have upon harmful toxins and chemicals. This book presents a new concept to create projective planting designs with preventative phytotechnology abilities, 'phytobuffering' where future pollution may be expected for particular site programs.Filled with tables, photographs and detailed drawings, Kennen and Kirkwood guide the reader through the process of selecting plants for their aesthetic and environmental qualities, combined with their contaminant-removal benefits.

Book Information

Paperback: 378 pages

Publisher: Routledge (June 5, 2015)

Language: English

ISBN-10: 0415814154

ISBN-13: 978-0415814157

Product Dimensions: 1 x 8.5 x 10.8 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)

Best Sellers Rank: #141,837 in Books (See Top 100 in Books)   #5 inÂ Books > Science & Math > Earth Sciences > Geology > Sedimentary   #20 inÂ Books > Science & Math > Agricultural Sciences > Soil Science   #26 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Pollution

Customer Reviews

Amazing primer on phytoremediation complete with plant lists for every scenario!

book needed for resource. Got here promptly and was put to use

Phyto: Principles and Resources for Site Remediation and Landscape Design Site Analysis: Informing Context-Sensitive and Sustainable Site Planning and Design A Perfect 10: Phyto "New-trients" Against Cancers, A Practical Guide for the Breast, Prostate, Colon, Lung Foundations of Landscape Architecture: Integrating Form and Space Using the Language of Site Design Introduction to Phytoremediation of Contaminated Groundwater: Historical Foundation, Hydrologic Control, and Contaminant Remediation Environmental Consulting Fundamentals: Investigation and Remediation Naming a Web Site on the Internet: How to Choose, Register and Protect the Right Domain Name for Your Web Site Arches National Park - A Photographer's Site Shooting Guide I (Arches National Park - A Photographer's Site Shooting Guide 1) Landscape Ecology Principles in Landscape Architecture and Land-Use Planning Site Engineering for Landscape Architects ACSM's Resources for Clinical Exercise Physiology: Musculoskeletal, Neuromuscular, Neoplastic, Immunologic and Hematologic Conditions (Acsms Resources for the Clinical Exercise Physiology) Managing Hospitality Human Resources with Answer Sheet (AHLEI) (5th Edition) (AHLEI - Hospitality Supervision / Human Resources) Landscape Graphics: Plan, Section, and Perspective Drawing of Landscape Spaces Theory in Landscape Architecture: A Reader (Penn Studies in Landscape Architecture) The Inspired Landscape: Twenty-One Leading Landscape Architects Explore the Creative Process Landscape Photography: The Ultimate Guide to Landscape Photography at Night Photography: Landscape Photography: 10 Essential Tips to Take Your Landscape Photography to The Next Level Landscape Meditations: An Artist's Guide to Exploring Themes in Landscape Painting Principles of Supply Chain Management: A Balanced Approach (with Premium Web Site Printed Access Card) Universal Principles of Design, Revised and Updated: 125 Ways to Enhance Usability, Influence Perception, Increase Appeal, Make Better Design Decisions, and Teach through Design