

DOWNLOAD PDF OF WHAT VALUE ARE VALUES IN RESOURCE MANAGEMENT? PETE NOWAK

Chapter 1 : Pietro Pete Giovenco PE - President and CEO - Bergmann

Relationship with the Land includes a collection of the most Land Stewardship and Natural Resource Values. Value Are Values in Resource Management? Pete Nowak.

In the Chesapeake watershed alone, residential development is predicted to consume , acres between and , nearly 90 percent of it replacing farmland Boesch and Greer, As urban communities grow larger and faster than ever before, natural resource management in these areas becomes crucial for achieving sustainable development and maintaining and enhancing the quality of life and the environment. Trees reduce air pollution by trapping particulate matter in their leafy canopies and by absorbing noxious pollution into their leaves. The particulate matter is eventually washed away with rain. Absorbed pollutants are incorporated into the soil after leaf fall where they are broken down by microbes. These actions reduce human health problems related to air pollution. Tree canopies also intercept large amounts of rain, reducing the amount of runoff that is discharged into streams and rivers and extending the time that a watershed has to absorb rainfall. This reduces flooding and erosion. As trees grow they accumulate biomass that absorbs carbon and nutrients, locking them into a biological cycle that keeps them out of the atmosphere and hydrosphere. The storage of carbon reduces the greenhouse effect that is linked to problems of global climate change. Absorbed nutrients stay out of water bodies where they would otherwise harm fish and other aquatic species. In summer, trees ameliorate climate by transpiring water from their leaves, which has a cooling effect on the atmosphere. At night, when the earth radiates heat back into space, temperatures often drop to the cooling or dew point, when water vapor, some of which is produced by trees during the daytime, condenses. This releases latent heat back into the atmosphere. When groups of trees intercept sunlight and use it for photosynthesis, they shade roads, buildings, and other structures, and they help reduce energy consumption. Social Benefits Benefits to society are harder to quantify, but that does not mean they are less important than the ecological services that trees provide. Societal benefits include increased job satisfaction, faster recovery time for hospital patients, and improved child development. For example, hospital patients who have a view of trees out of their window recovered more quickly than patients who did not Ulrich Similarly, employees who could look out their office windows and see trees and nature were happier at work Miller Both of these have dollar values, like lower health-care costs and increased worker productivity, but it is harder to assign an exact dollar amount to them. Properly placed and maintained trees have even been shown to reduce crime Kuo et al. Many outdoor recreation activities, such as picnicking, hiking, or even just sitting on a back porch are more enjoyable in and around trees. Trees provide homes and are an important component of habitat for many wildlife species. Observing wildlife in community nature parks is one of the fastest growing forms of outdoor recreation in the United States. Aesthetic Value The aesthetic value of landscape trees can be measured by determining how property values increase for yards that have trees in them. Property values can increase as much as 20 percent when trees are present on the land. The monetary value of an individual tree can be determined by an experienced appraiser. Tree appraisal considers a variety of factors such as the species, size, condition of the tree, and its location in a landscape. Such a monetary appraisal is often made when a court of law must determine how much money a homeowner is owed if someone vandalizes a tree on his or her property. Large trees can increase property value up to 20 percent. Taking care of such trees is critical to realizing their values. Connecting People With Ecosystems in the 21st Century: Environment and Behavior 30 1: Planning and Managing Urban Greenspaces. Prentice-Hall, New York, N. Introduction to Special Issue: Journal of Arboriculture 24 2. Journal of Arboriculture 24 4. Effects of urban tree management and species selection on atmospheric carbon dioxide. Journal of Arboriculture 28 3: Compensatory value of urban trees in the United States. Journal of Arboriculture 28 4: Syracuse urban forest master plan. View through a window may influence recovery from surgery. Demographic Trends in the 20th Century. At home with nature: Environment and Behavior 32 6: The authors thank Adam Downing, Northern District Extension forestry agent; Susan Day,

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research assistant professor of urban forestry, Virginia Tech; and Roger Harris, associate professor of horticulture, Virginia Tech, for their assistance. The worksheet was developed by the authors as an educational tool for students.

Chapter 2 : Conservation Blogger: SWCS Publishes Book: Relationship with the Land

The Soil and Water Conservation Society has released a new book: Relationship with the land. The collection of essays was edited by Mark Anderson-Wilk.

Chapter 3 : Value, Benefits, and Costs of Urban Trees | VCE Publications | Virginia Tech

Leopold as practical moralist and pragmatic policy analyst / Bryan G. Norton ; Toward a new land ethic / Norm Berg ; Of what value are values in resource management? / Pete Nowak ; Science and stewardship in a nonmonolithic conservation movement: facilitating positive change / Mark Anderson-Wilk ; Leopold's land ethic, ecosystem health, and the challenge of affluenza / Y.S. Lo ; Resource ownership and property rights / Kristin Shrader-Frechette ; Living with the land / Wendell Berry.

Chapter 4 : Pete Watt's "Indefinite" Development Values

development values. Fairness is not violated when the community denies an owner the fabricated values he did nothing to create. Neither, however, can the community contradictorily tax the owner and still remain fair. Too often the ad valorem tax system thwarts land conservation objectives and makes rascals of planners and community leaders.