

# A Permaculture Design Course Handbook

An Online Reader for the Permaculture Community



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## An Online Permaculture Reader Resource

Posted on [December 20, 2010](#)

This Website is a creation brought to you by [TreeYo Permaculture](#) as an online service to those who are seeking information about various aspects of Permaculture. By using a multimedia approach, we hope to bring you as much concentrated information as possible which allows you to surf one site rather than the whole web for different facets of Permaculture. **We really hope** that you will leave comments or questions so that the collective genius of the Permaculture community can be realized. Through this blog format, we can have an open dialogue and co-create so that future users can access not only the valuable information but also the design process itself.



A Permaculture Design Course Handbook



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### The TreeYo Homepage



Sustainability Education and Ecological Design

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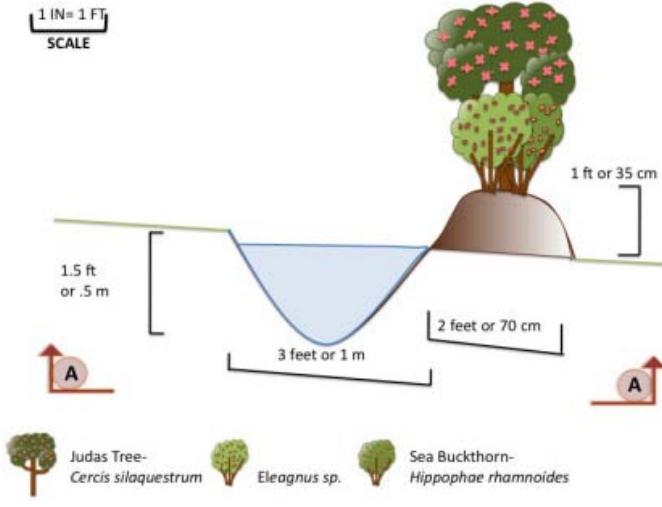
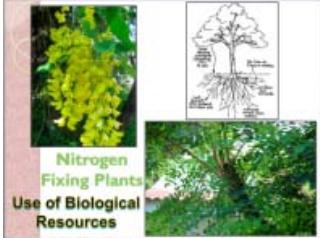
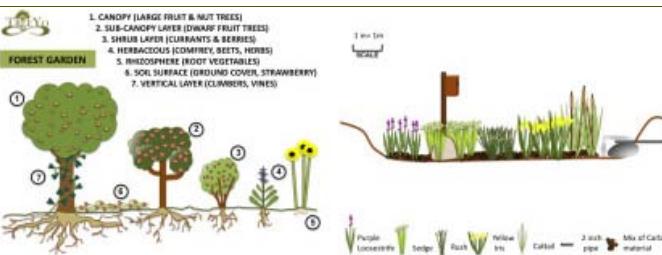
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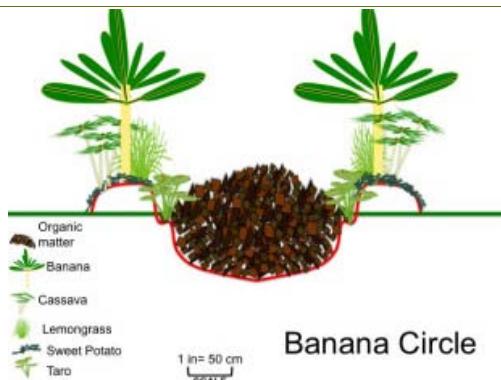


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- Banana Circle
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- Tyre Pond
- Energy Efficient Planning
- Chapter 10: The Humid Tropics
- Climate Analog and Map Resources
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## 14 Chapters of the Designers Manual

- Chapter 1: Introduction
  - TreeYo Permaculture Definition
  - Ethics
  - Permaculture as Design
  - History and Mollison's Inspirations
  - How Permaculture is manifested in the world- An artistic Glimpse
- Chapter 2: Design Principles
  - Relative Location
  - Multiple Functions for Every Element
  - Each Important Function supported by many different elements
  - Energy Efficient Planning
  - Use of Biological Resources
  - Energy Cycling
  - Accelerating Succession and Evolution
  - Diversity (Guilds)
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- Chapter 3: Design Process
  - Final Design Project Guidelines for TreeYo PDC
  - Vision Phase
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  - Conceptual Planning Phase
  - Master Planning Phase
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- Chapter 4: Pattern Understanding



Much of the information is derived directly from the curriculum presented in [our courses](#) and is a reflection of our take on Permaculture. The project of the *Course Compendium* is a massive undertaking and we welcome any feedback to help drive it forward.

Furthermore, this is an online reader for those who will be taking permaculture courses with us or other teachers. We feel that it is a testament to the permaculture philosophy of being completely open-source with everything we do, Cooperation not Competition. At the same time we also recognize the intellectual property involved and we wish to honor the system of Collective Commons.



The Website is structured to echo the 14 chapters of **Bill Mollison's *Permaculture: A Designers' Manual*** with an additional three sections to come: **Food Fermentation** (Bill actually considers his most important work to be his book *Ferment and Human Nutrition*), **Natural Building** and **Animal Systems** (emphasizing Holistic Management).

This is also the same framework in which we organize our [Permaculture Design Courses \(PDC\)](#). We find that people come to our regular [TreeYo Permaculture site](#) from googling things like Earthships and swales. So we have created this site which will probably take a year to create and will be directing you as well to other places with more information so that we are not reinventing the wheel.

- **Chapter 5: Climatic Factors**
  - Factors in formation of global climate
  - Climate Classification
  - Climate and Design
  - Climate Analog and Map Resources
  - Microclimate
- **Chapter 6: Trees and their Energy Transactions**
- **Chapter 7: Water**
  - Greywater
  - Hydrological Cycle: Half and Full
    - The Numbers Behind the Half Hydrological Cycle
  - Catchment Calculations
  - **A Permaculture Development Model: A Path to the Full Hydrological Cycle and the Abundance that Follows**
    - Contour Brush Piles
- **Chapter 8: Soils**
- **Chapter 9: Earth Working and Earth Resources**
- **Chapter 10: The Humid Tropics**
  - Banana Circle
  - Soil Building Techniques Part 1
  - Soil Building Techniques Part 2
  - Soil Building Techniques Part 3
  - Soil Building Techniques Part 4
- **Chapter 11: Dryland Strategies**
- **Chapter 12: Humid Cool to Cold Climates**
- **Chapter 13: Aquaculture**
  - Aquaculture Food Web
  - Aquatic Plant Ecology
  - Tyre Pond
  - Supplemental Aquaculture Info
- **Chapter 14: The Strategies of an Alternative Global Nation**
- **Natural Building**
  - Introduction to Natural Building
  - Building Materials
  - Where to find building soil?
  - Wall Systems
    - Strawbale Construction
    - Light Earth Building
    - Cob
    - Adobe
    - Superadobe
    - Wattle and Daub
- **Fermentation**
- **Animal Systems**

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Paw Paw, a temperate fruit from the tropical Anona fruit family

For our website covering our courses and consulting and documentation in general,  
please visit [www.treeyopermaculture.com](http://www.treeyopermaculture.com) and email at  
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