Permaculture Principles

Assembled & Mind-mapped by Ethan Roland, AppleSeed Permaculture
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From Bill Mollison

Laws of Thermodynamics

- First Law: Conservation of Energy
- Second Law: Entropy

Birch's Six Principles of Natural Systems

- Nothing grows forever
- Life depends on on biogeochemical cycles
- Extinction is likely with high or low density
- Species survive based on one or two key factors in the complex web of relationships to the environment
- Our ability to change the earth increases faster than our ability to foresee the consequences of change
- Living organisms are ends and means - They all have intrinsic value

Rules of Use of Natural Resources

- Reduce waste
- Replace lost minerals
- Do careful energy accounting
- Do biosocial impact assessments, and eliminate or buffer negative impacts

Practical Design Considerations for our Systems

- Live long with least maintenence
- Produce own needs & needs of creators
- Store or conserve more energy than they use

Ethics of Permaculture

- Earth Care
- People Care
- Resource Share (Fair Share, Reinvest the surplus, Limits to population and consumption,)

Basic Principles

- Observation
- Prime Directive
- Cooperation
- Life Intervention Principle
- Law of Return
- Directive of Return

Policies

- Power & Authority (Responsibility to relinquish)
- Categories of Resources
- Resource Management

Core Principles

- Multiple Functions
- Redundancy (Multiple Elements)
- Functional Interconnection (Self-Regulation)
- Relative Location

Set of Ethics on Natural Systems

- Stop destruction (Conserve)
- Rehabilitate (Regenerate)
- Rehabilitate (Intertwine)
- Create Refugia

Attitudinal Principles

- Work with nature, not against
- The problem is the solution
- Infinite Yield (The yield of a system is theoretically unlimited)
- Least change for greatest effect (Leverage)
- Everything gardens

Systems & Yield

- Productive Use/Oversupply of Resources
- Definition of System Yield
- Role of Life in Yield
- Limits to Yield
- Dispersal of Food Yield Over Time
- Types of Niches
- Accelerate Succesion & Evolution
- Information as a Resource
- Principles of Disorder (Grouped by D. Jacke)
  Life Intervention Principle
  Productive Use/Oversupply of Resources
  Order & Disorders
- Cyclic Opportunity
- Order & Disorder
- Stress & Harmony
- Stability

From David Holmgren

1. Observe & Interact
2. Catch & Store Energy
3. Obtain a Yield
4. Apply Self-Regulation and Accept Feedback
5. Use and Value Renewable Resources and Services
6. Produce No Waste
7. Design from Patterns to Details
8. Integrate Rather than Segregate
9. Use Small and Slow Solutions
10. Use and Value Diversity
11. Use Edges and Value the Marginal
12. Creatively Use and Respond to Change

From Dave Jacke

- Law of Vegetetation Dynamics
- Law of Dynamic Tolerance
- Shifting the Burden to the Intervenor
- The Concept of Limiting Factors
- Competitive Exclusion Principle
- Polyculture Partitioning Principle
- Cropping Principle
- Principle of Allocation

Geoff Lawton

- Principle of Water
- Diversity > Stability > Fertility > Productivity > Economy > Community

West Coast USA Collection

- One calorie in one calorie out
- Pollution is and Unused Resource
- Use On-site Resources
- Local Focus
- Stocking
- Stacking
- We are nature, working (Penny Livingston-Stark)
- Seven Generations
- Small Scale Intensive Systems

From Others

- Use Biological Resources
- Use Appropriate Technologies
- We are nature, learning (Ethan Roland)