Fundamentals of Design:
Permaculture and Regenerative Systems

JON TURNER
WILD ROOTS FARM VERMONT
What is the greatest potential for a site?
Viewing the landscape with a whole systems approach

- **Observe**
  - Patterns, Transitions, Emotional reactions

- **Understand**
  - Methods of communication, Roles within the living system

- **Develop**
  - Relationship with the land, wildlife, weather

- **Define**
  - Mission, Vision, Goals, Project Impact
How does a site influence the design?
How does the mission influence the site?
Permaculture Principles

- Observe & Interact
- Catch & Store Energy
- Obtain a Yield
- Self Regulation & Feedback
- Use & Value Resources
- Produce No Waste
- Design Patterns at Various Scales
- Integrate Rather than Segregate
Permaculture Principles

- Small, Slow Solutions
- Use & Value Diversity
- Use & Respond to Change
Site Analysis & Assessment
Zones of Use

- **Zone 0**  Private- Home, Self
- **Zone 1**  Personal- Kitchen garden, Pathways
- **Zone 2**  Public- Chickens, Greenhouse
- **Zone 3**  Farm- Row crops, Bigger livestock
- **Zone 4**  Forage- Orchard, Pasture, Managed woods
- **Zone 5**  Wild- Unmanaged woods, Wildcraft, Sacred space
Site Analysis & Assessment
Resources & Opportunities

- Timber Stand- Lumber, substrate, wildcrafting, forest farming
- Slopes- Terrace gardens, micro-climates, maximize site yield, wildlife habitat
- Wetlands- Wildlife corridor, mushroom cultivation
- Pasture- Rotational grazing, perennial polycultures, annual production
- Location- Public gatherings, workshops, farm-stand
Viewing the greater landscape
Limitless Vision
Integrating Diversity
What is the essence of the project?

- Bio-diversity, Community, Health & Vitality?
- Identify- Purpose, Process & Values
- Obtain- Purpose Statement
- Define- Mission, Vision, Goals, Timeline, Measures of Success

Evolution occurs when we embody the essence of creation and are influenced by the desire to reach our greatest potential in this life.
Shifting our perception of space

- Observe - People & Place
- Understand - Patterns
- Accept - Perspective
- Determine - Essence
- Harmonize - People & Place
- Co-creation - Evolution
Site Examples
Keyline
Swales & Contour Planting
Forest Farming
Allele Cropping & Silvo-pasture
Rotational Grazing
Terraces
Terraced Polycultures
Contact

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