Table of Contents

EDIBLE FOREST GARDENS: VOLUME 1:
ECOLOGICAL VISION & THEORY FOR TEMPERATE-CLIMATE PERMACULTURE

INTRODUCTION: AN INVITATION TO ADVENTURE
  What Is an Edible Forest Garden?
  Gardening LIKE the Forest vs. Gardening IN the Forest
  Where Can You Grow a Forest Garden?
  The Garden of Eden: It Sounds Great, But Is It Practical?
  An Invitation to Adventure

PART ONE: CONTEXT AND VISION

1: THE FOREST AND THE TREES
  The Primal Forest: A Remembrance
  Gardening the Forest
  Forest Remnants
    Feature Article 1: Natives and Exotics: Definitions and Questions
  Suburban Ecology
  Gardening in the Industrial Image
  Lessons Learned
    Box 1-1: Shifting the Burden to the Intervenor

2: VISIONS OF PARADISE
  Study of the Household: Ecology Defined
  Tales of Mimicry
  Advantages of Forest Mimicry
  The Limitations of Forest Mimics
  Spanning the Gamut: Images of Forest Gardens
  Goals of Forest Gardening
  Revision—the Garden of Eden?
    Box 2-1: The Principle of Functional Interconnection

CASE STUDY 1: CHARLIE’S GARDEN

PART TWO: ECOLOGY

3: THE FIVE ELEMENTS OF FOREST ARCHITECTURE
  Vegetation Layers
    Feature Article 2: With All These Layers, What Do I Grow in the Shade?
  Soil Horizons
  Density
  Patterning
  Diversity
  Summary
    Box 3-1: The Principle of Relative Location
CASE STUDY 2: ROBERT’S GARDEN

4: SOCIAL STRUCTURE: NICHES, RELATIONSHIPS AND COMMUNITIES
Species, Species Niches, and Species Relationships
Multi-Species Interactions: Frameworks of Social Structure
Feature Article 3: Natives and Exotics, Opportunists and Invasives
Social Structure Design: Strategies and Anchors
Chapter Summary
    Box 4-1: Niche Analysis: Everybody Does It
    Box 4-2: The Principle of Multiple Functions
    Box 4-3: The Principle of Stress and Harmony
    Box 4-4: The Competitive Exclusion Principle
    Box 4-5: The Cropping Principle
    Box 4-6: The Principle of Redundancy
    Box 4-7: The Polyculture Partitioning Principle
    Box 4-8: Ecological Analogs

5: MAKING A LIVING IN THE DARK: STRUCTURES OF THE UNDERGROUND ECONOMY
The Anatomy of Self-Renewing Fertility
Feature Article 4: Parent Materials: The Soil’s Nutritional Constitution
Plant Roots: Engines of the Underground Economy
The Soil Food Web
Summary: Dabbling In The Underground Economy
    Box 5-1: The Concept of Limiting Factors
    Box 5-2: Specific Replant Disease

6: SUCCESSION: FOUR PERSPECTIVES ON VEGETATION DYNAMICS
Classical Linear Succession and Climax
Progressive Succession to Shifting Mosaic Steady State
Patch Dynamics: Out of Line and Out of Balance
A “Unified Oldfield Theory”: Successional Causes
Feature Article 5: “Invasive” Plants and the Unified Oldfield Theory
Succession Design: Using the Four Models
Summary: The Simultaneity of the Four Models
    Box 6-1: The Principle of Allocation
    Box 6-2: The Law of Vegetation Dynamics
    Box 6-3: The Law of Dynamic Tolerance

CASE STUDY 3: E.F. SCHUMACHER FOREST GARDEN

CONCLUSION: ELEMENTS, DYNAMICS, AND DESIRED CONDITIONS

APPENDICES
Appendix 1: Forest Gardening’s “Top 100” Species
Appendix 2: Plant Hardiness Zone Maps
Appendix 3: Publications and Organizations

BIBLIOGRAPHY

GLOSSARY

GENERAL INDEX
# Table of Contents

**EDIBLE FOREST GARDENS: VOLUME 2: ECOLOGICAL DESIGN & PRACTICE FOR TEMPERATE-CLIMATE PERMACULTURE**

**INTRODUCTION: A FOREST GARDENER'S TOOL KIT**

1: **ISSUES AND STRATEGIES IN FOREST GARDEN DESIGN AND MANAGEMENT**
   - Design Elements
   - Ecosystem Dynamics
     - Feature Article 1: Beneficial Wildlife Habitat Principles
   - Desired Conditions
   - Summary

2: **A FOREST GARDEN PATTERN LANGUAGE**
   - What is a Pattern Language?
   - A Forest Garden Pattern Language
     - Box 2-1: The Oak Beams of New College, Oxford

3: **DESIGN PROCESSES 1: OVERVIEW, GOALS, AND ASSESSMENTS**
   - Design Process Overview
   - Clear Intentions: Articulating Your Gardening Goals
   - Basic Mapping For Landscape Design
   - Site Analysis and Assessment
     - Feature Article 2: Reading Your Soil Horizons
   - Chapter Summary
     - Box 3-1: Designing Your Design Process
     - Box 3-2: Tools of the Designer's Trade
     - Box 3-3: Bubble Diagramming
     - Box 3-4: The Scale of Permanence
     - Worksheet 1: Desired Species Niche Analysis Form
     - Worksheet 2: Existing Species Niche Analysis Form

4: **DESIGN PROCESSES 2: THE DESIGN PHASE**
   - Four Stages and Four Realms
   - Design Phase How-To
     - Feature Article 3: Groundcover Polycultures
   - Chapter Summary

5: **SITE PREPARATION**
   - Site Preparation
     - A Rogue's Gallery of Challenging Site Conditions
     - A Hero's Gallery of Site Prep Strategies and Techniques
     - Feature Article 4: Mulch
   - Chapter Summary
6: **GARDEN ESTABLISHMENT**
   - The Order of Events
   - Staking-Out
   - Acquiring Plants
   - Organizing Tools, Materials, and Helpers
   - Planting Day
   - Aftercare: Proactive Plant Establishment

7: **MANAGEMENT, MAINTENANCE, AND COEVOLUTION**
   - Tools of the Trade
   - Management
   - Grunt Labor and Its Fruits: Maintenance and Harvesting
   - Coevolution: The Future of Forest Gardening

**EPILOGUE: A STORY OF ROBERT**

**APPENDICES**

**INTRODUCTION**

**APPENDIX 1: PLANT SPECIES MATRIX**

**APPENDIX 2: SPECIES BY USE TABLES**

**APPENDIX 3: SPECIES BY FUNCTION TABLES**

**APPENDIX 4: SPECIES OF CONCERN**

**APPENDIX 5: NICHE REQUIREMENTS OF BENEFICIAL ANIMALS**

**APPENDIX 6: PLANT HARDINESS ZONE MAPS**

**APPENDIX 7: RESOURCES**

**BIBLIOGRAPHY**

**GLOSSARY**

**INDEX OF LATIN SYNONYMS**

**INDEX OF COMMON AND LATIN NAMES**

**GENERAL INDEX**