

**Dr. Richard Freeman**  
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### **Skills in Commerical High-Value Ecological Agriculture**

Eco. Ag. planning and design for high-risk/high-value plants. Plans include maps, schedules/critical paths, budgets.

Soil assessment; test analysis; soil restoration and preparation; nutrient-cycle recommendations.

Integrated Pest Management – planning, design and implementation. Have created evaluation model template with complete module for *T. urticae*.

Site design and planning; forest garden and perennial polyculture design.

Farm Planning and Geographical Information Systems (GIS) mapping and basic data-base design.

Container-Media formulation, materials sourcing, costing, mixing and delivery logistics.

Research and research design.

### **Skills in Ecological Land Management**

Garden, micro-nursery and forest garden management.

Forest stand and landscape-level planning and management for ecology and restoration goals.

Project planning and implementation, budgeting, scheduling, administration.

Integrated Pest Management – planning, design and implementation.

Composting – high biodiversity and special use, fungal, hot bacterial, anaerobic (bokashi), and vermicomposting.

Biochar production, assessment, and procurement.

Residential site and urban-lot ecological and soil rehabilitation.

Scientific and technical review, research summary, and application to problem-solving and project objectives.

Mapping and Geographical Information Systems (GIS), Basic Relational Data-base design, Spreadsheet-based Modeling and Analysis, Forest Projection/Planning System, Fuels Management Analyst.

## **Communication and Writing Skills**

Document planning, writing, and editing.

Adult education, peer-to-peer tutoring (Inquiry Method), syllabus and lesson-planning, lecturing/instructing, reading group facilitation, and grading/assessing.

Word-processing, spreadsheets, e-mail, web-based communication, task-based browsing, and some image processing.

Professional editing, technical writing, documentation.

## **Education**

Doctorate of Philosophy: Forest Management, School of Forestry, University of Montana, Missoula. Received Spring, 1999. Emphasis on forest policy, administration, planning & management. Dissertation: The U.S. Forest Service & the Political Construction of Ecosystem Management (a study of federal policy).

Master's Degree of Science: Environmental Studies Program, UM, Missoula. Completed Spring, 1992. Emphasis on environmental, community & regional planning & sustainable development. Professional paper: A Planning Model for Rural Community Development.

Bachelor's Degree of Arts: History, College of Letters & Arts, Montana State University, Bozeman. Completed Spring, 1989. Emphasis on American history. Researched & documented primary history of movement politics of the 1960s in Montana.

## **Work Experience**

2016 – Present. Grow Ecology, LLC. Timnath, CO. Single member/manager. Growing-space management for high-value cultivation. Farm plans, ecological ag. designs, soil-building, integrated pest management, container-media formulation & logistics.

2014 – 2016. Eco Paradigm. Spokane, Washington. Sole Proprietor and consulting partner. Growing-space management for high-value cultivation. Farm plans, ecological ag. designs, soil-building, integrated pest management, container-media formulation & logistics.

2014 – Present. Edible Ecotones, DBA. Proprietor and partner. Ecological site and garden design/planning for residential environments, implementation, management.

2007 – 2014. Interface Forestry, LLC. Missoula, MT. Single member/manager. Ecological forestry in Intermountain forest types; resident-owned wildland-urban interface management; forest inventory and timber-cruising.

2011 – 2014. Lively Soils. Missoula, MT, Atlanta, GA. Developed template for ecological food production and site development in cold, temperate montane ecosystems; developed system for making biologically-active composts commercial sale.

2001-2007. Comprehensive Forestry, DBA. Ecological forestry in Intermountain forest types; resident-owned wildland-urban interface management; forest inventory and timber-cruising.

2005-2009. Contract Stand Examiner/Timber Cruiser. Subcontract with Clearwater Forestry,

I.I.c., to a major Timber and Land company operating in western Montana. Involved extensive field work collecting data on variable-radius plots in diverse cover types.

1999-2001. Intern and Man-about-the-grounds. Dearborn Solar Electric Company/Balsamroot Institute. Construction projects, solar panel and wind-generator installations, research projects, and gardening, wild-seed collection, ecological restoration.

1994-1998. Teaching and Research Assistantships in upper-level courses. School of Forestry, U.M., Missoula. Professor Alan McQuillan. "Forest Planning" and "Ethics and the Management of Public Lands." Research Assistantship, coordinated Lubrecht Experimental Forest Planning Committee.

1990-1992. Teaching Assistantship. School of Forestry, U.M., "Technical Writing."

1984-1989. Student and Professional Writing Tutor at The Writing Center, Montana State University, Bozeman. Tutored students from all departments in basic, reader-based composition using inquiry method of tutoring.