

**W.V. McCONNELL**

**LAND MANAGEMENT PLANNER/FORESTER**

**AREAS OF SPECIALIZATION**

- Planning and development of short-rotation, intensive-culture energy crop systems (Dedicated Feedstock Supply Systems)
- Wildland resource development planning

**EDUCATION**

- B.S. in Forestry, Pennsylvania State University, 1943
- M.S. in Urban and Regional Planning, Florida State University, 1975
- M.S. in Sociology, Florida State University, 1977

**EXPERIENCE**

- Line and staff positions, U.S. Forest Service, Southeast Region 1943 to 1972. These positions involved all aspects of national forest protection and management with emphasis on timber resource management.
- Associate Planner, Florida Division of State Planning, 1975
- Forestry Planner, U.S. Peace Corps in Chile, 1978. Volunteer serving with Chilean Regional Planning Agency.
- Consultant, 1979 to date. Principal work experiences:
  - Developed a concept and plan for a sustainable energy self-sufficiency program for Eglin Air Force Base, Florida. This project identified and evaluated alternative species and production modes for a short-rotation energy system with the preferred alternative as 90,000 acres of sand pine plantations (1982)
  - Prescribed silvicultural methods and developed costs, scheduling, and technical and institutional changes needed to implement the preferred alternative determined in the above project (1983)
  - Developed a concept and proposal for the management of the energy biomass potential for U.S. Navy land on the island of Vieques, Puerto Rico. This proposal features the management of thornscrub and leucaena to support a seven megawatt electrical generating plant, together with the production of beef cattle and conventional forest products on 9000 acres of semi-arid land. The development and promotion of this proposal involved extensive contacts with federal and Commonwealth of Puerto Rico resource management, economic development and energy related agencies, utilities, and private development firms
  - Performed wood-fuel resource survey of seven-county area in west central Florida (1984) and similar survey of a nine-county area in north Florida and Alabama (1985)
  - Prepared resource management prescriptions (environmental analyses) for 15,000 acres on the Ocala National Forest (1984-1986)
  - Investigated, for the Florida Division of Forestry, the feasibility of exporting energy-wood related products from Florida to the Caribbean. This project examined supply, markets, and marketing infrastructure (1988)
  - Developed, for the Liberty County, Florida Chamber of Commerce, an Action Plan for a rural revitalization program. This plan directs the economic diversification program for that depressed rural county (1992)
  - Served as a member of an interdisciplinary team investigating "Economic Development through Biomass Systems Integration in Central Florida" under the direction of the University of Florida's Center for Biomass Studies with sponsorship by the USDOE National Renewable Energy Laboratory (1994-1995)
  - Assisted the Liberty County Rural Development Action Team in the implementation of the Rural Development Action Plan (1992- 1996).
  - Developed, as a consultant for the Rural Development Action Team and in cooperation with the U.S. Forest Service, a multi-product sales program featuring the removal of upland hardwoods for energy-wood as a tool for the restoration of the longleaf pine-wiregrass ecosystem on the Apalachicola National Forest. (1995)

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- Installed and maintained, in cooperation with the University of Florida, cottonwood clone and energy grass evaluation tests that were established to determine biomass production for energy crops irrigated with sewage effluent at the City of Tallahassee's southeast sprayfield. (1993-1995)
- As consultant to the law firm of Oertel, Hoffman, Fernandez @ Cole P.A. assisted the Liberty County, Florida, School District in the pursuance of an appeal to the the National Forests in Florida seeking revisions in the Land and Resource Management Plan concerning management practices for the red-cockaded woodpecker (RCW) on the Apalachicola National Forest in Florida. (1999). In same capacity, assisted in preparation of a Claim against the U.S. Department of Agriculture, Forest Service for damages to the School District caused by mis-management of RCW habitat on that forest.
- With the Ruffed Grouse Society and Apalachian Multiple Use Council, prepared a plan and proposal for a stewardship project involving the treatment of 100,000 acres of national forest land for the creation of early successional habitat and to improve forest health. (2004)
- As a volunteer in service, assisting the U.S. Forest Service in data gathering for resource management purposes on the Apalachicola National Forest. (2001-2005).
- Served as biomass-energy development advisor to the City of Tallahassee, Fl. (2006)

**PUBLICATIONS**

*Biomass Energy Self-sufficiency Resource Alternatives for a Forested Air Force Installation.* FESA-T-2124, ESL-TR-82-09, with W.J. Huff, Leo Bronson, and P.E. Stedman. (1982)

*Woody Biomass Production: A Land Use Alternative.* Florida Cooperative Extension Service Circular 550, with M. Flinchum, IFAS, University of Florida. (1982)

*Implementation of a Biomass Energy Island for a Forested Air Force Installation.* ESL-TR-83-04, E-83025, with W.J. Huff and P.E. Stedman. (1983)

"Options in Energy Wood Farming." *Southern Journal of Applied Forestry*, Vol. 8(3):149-152. (1984)

"Land Availability and Land Values" and "Environmental Issues - Dedicated Feedstock Supply Systems" in *Economic Development Through Biomass Systems Integration in Central Florida*. Edited by James A Stricker, prepared by the University of Florida Center for Biomass for the National Renewable Energy Laboratory, Golden CO. (May,1995)

"Superior Cottonwood and Eucalyptus Clones for Biomass Production in Wastewater Bioremediation Systems", with D.L. Rockwood and S. M. Pisano, in *Proceedings of the Seventh National Bioenergy Conference, Southeastern Regional Biomass Energy Program*, Nashville, TN (Sept. 15-20, 1996)

"Growing Tall-grass Energy Crops on a Sewage Effluent Spray Field at Tallahassee, FL.", with G.M. Prine, in *Proceedings of the Seventh National Bioenergy Conference, Southeastern Regional Biomass Energy Program*, Nashville, TN (Sept. 15-20, 1996)

"Opportunities for Biomass Development in the Lower South, USA", with G.M. Prine and J.A. Stricker in *Making a Business from Biomass, Proceedings of the 3rd Biomass Conference of the Americas*, Edited by Ralph P. Overend and Esteban Chornet, Montreal, Canada, (August 24-29, 1997)

■ Red-cockaded woodpecker cavity excavation is seed-tree/shelterwood stands in the Wakulla (Apalachicola N.F.) subpopulation, *Wildlife Society Bulletin* 27(2) 510-514, 1999

■ Initiating uneven-aged management in longleaf pine stands: impact on red-cockaded woodpecker habitat, *Wildlife Society Bulletin* 30(4) 1276-1280, 2002