

# **Eastern Ozarks Forestry Council (EOFC)**

(11 March, 2009)

## ***Mission***

To address emerging issues and trends affecting the Eastern Ozarks rural communities, people and lifestyles as influenced by woodland management and marketing strategies.

## ***Objectives***

- Promote sustainable forest management on public and private lands
- Foster rural development through forestry
- Promote constructive communication and cooperation among government agencies, the forest industry, and forest landowners and managers
- Improve private landowners' forest management and marketing skills
- Encourage implementation of improved forest harvesting systems

## ***Official status***

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|--------|---|
| Aug 06 | IRS 501(c)(3) non-profit and 170(b)(1)(A)(vi) public charity designations   |
| Jul 04 | Missouri incorporation as Eastern Ozarks Forestry Council (EOFC)  |
| Aug 99 | Landowner and agency organization addressing forestry education and management and community development, Eastern Ozarks Community Forestry Resource Council (EOCFRC) |
| Jun 99 | Ad hoc committee promoting sustainable forestry and landowner education   |

## ***Composition***

- 14-county region in southeastern Missouri: Bollinger, Butler, Cape Girardeau, Carter, Dent, Iron, Madison, Perry, Reynolds, Ripley, St Francois, Shannon, Stoddard, and Wayne
- 80 members: private landowners, resource managers, forest industry leaders

### ***Committee membership***

- Missouri Forest Resource Advisory Council
- USDA NRCS State Technical Committee
- Missouri Forest Products Association, Biomass Committee

### ***Grants (\$193,318 total)***

- Jun 08      \$12,800 grant from Missouri Department of Conservation to promote forestry cost share opportunities and mitigate barriers to enrollment of family forests in carbon offset markets.
- Apr 08      \$17,948 Farmer/Rancher Grant from North Central Region – Sustainable Agriculture and Research to demonstrate the technical feasibility and economic profitability of crop tree management combined with Best Management Practices.
- Oct 07      \$5,000 grant from Pioneer Forest LLC to quantify productivity and economics of a conventional logger using Best Management Practices
- Aug 07      \$88,000 Forest Restoration Partnership Grant from the USDA Forest Service to develop a Best Management Practices Manual for Woody Biomass Harvest and to investigate incentives and monitoring to ensure sustainable woody biomass harvests (administered by Top of the Ozarks RC&D Council)
- Jul 06      \$19,000 Information/Education grant from Missouri Department of Natural Resources Soil and Water Districts Commission to promote active, sustainable forest management (administered by Wayne Co. SWCD)
- Apr 03      \$15,000 Community Assistance Program grant from the National Forest Foundation to build capacity (administered by the Big Springs RC&D Council, Inc.)
- Jan 03      \$5,250 EQIP (Environmental Quality Incentives Program) grant from the USDA for forest landowner education projects (administered by Big Springs RC&D Council, Inc.)
- Jan 03      \$2,900 EQIP grant for New Trends in Forestry Expo (administered by Cape Girardeau Extension and Bollinger SWCD)

- Jan 03 \$6,000 EQIP grant for web-based Master Tree Farmer program (administered by Cape Girardeau Extension and SWCD)
- Jan 02 \$2400 EQIP grant for forest landowner education projects (administered by Big Springs RC&D Council, Inc.)
- Jan 01 \$4500 EQIP for forest landowner education projects (administered by Big Springs RC&D Council, Inc.)
- May 00 \$10,520 EQIP grant for Eastern Ozark forestland initiative program (administered by Cape Girardeau Extension and SWCD)
- Feb 00 \$4,000 EQIP grant for community forestry education (administered by Cape Girardeau Extension and Bollinger SWCD)

**Activities**

Monthly meetings on the last Friday in Ellington, Fredericktown, Piedmont, and Van Buren

*Research projects (4)*

- Dec 07 Identification and mitigation of barriers to enrollment of family forests in a carbon offset program
- Oct 07 Economics of selective harvests following best management practices with conventional logging equipment
- Oct 04 Comparison of productivity, economics, and environmental impact of conventional and mechanized logging technologies for thinning upland hardwood forests (with the Missouri Department of Conservation (MDC))
- Apr 03 Comparison of silvicides and application techniques for forest thinning (with MDC)

*Outreach and education (12 field days and demonstrations, 13 classes and workshops with 1051 attendees, and 10 exhibitions with exposure to thousands)*

- Mar 09 Forest carbon markets workshop, Van Buren, Carter Co., 35 attendees

- Mar 09 Agricultural carbon markets seminar, Missouri Association of RC&D Councils, Jefferson City, Cole Co., 25 attendees
- Feb 09 Forest carbon markets seminar, Missouri Consulting Foresters Assn annual meeting, Jefferson City, Cole Co., 26 attendees
- Dec 08 Forest carbon markets seminar, MU Forestry Dept, Columbia, Boone Co., 45 attendees
- Oct 08 Forestry field day, CedarSpring Tree Farm, Reynolds Co., 18 attendees (with MDC and NRCS)
- Oct 08 Display booth at Timberfest, Doniphan, Ripley Co., 4000 attendees
- Sep 08 Display booth at Women in Ag, Cape Girardeau, Cape Girardeau Co., 100 attendees
- Jan 08 Dynamotive information meeting on their proposed bio-oil facility at Willow Springs, MDC complex, West Plains, Howell Co., 70 attendees (with MDC and Top of the Ozarks RC&D)
- Sep 07 Display booth at Timberfest, Doniphan, Ripley Co., 5000 attendees
- Jan 07 Display booth at Heartland Agriculture and Natural Resources Exposition, Poplar Bluff, Butler Co., 10,000+ attendees
- Oct 06 Field day to illustrate and discuss impact of logging on soil and water quality, 9 attendees from MDC, MDNR, and MO NRCS, Wayne Co.
- Oct 06 Display booth at Timberfest, Doniphan, Ripley Co., 5000 attendees
- Oct 05 Bioenergy from wood workshop, Black River Electric Co-op, Madison Co., 42 attendees, (with Big Springs RC&D, MDC, Missouri Value Added Center, Ozark Border Electric Co-op, Piedmont Rotary Club, UM Extension, and Williamsville Area Progress Committee, presented by David Boulard, Lawrence Stewart and Gerald Stewart)
- Jun 05 Logging economics two-session workshop, Clearwater Youth Center, Wayne Co., 18 attendees with more than half from the forest industry (with MDC, presented by Dr Bob Lanford)
- Feb 05 Display booth at Missouri Annual Tree Farm Conference, Lake of the Ozarks, Miller Co., 130 attendees

- Jan 05      Display booth at Heartland Agriculture and Natural Resources Exposition, Poplar Bluff, Butler Co., 10,000+ attendees
- Oct 04      Demonstration of mechanized and conventional logging equipment and crop-tree management, Coldwater C.A., Wayne Co., 165 attendees with half from the forest industry (with MDC)
- Oct 04      Forestry field day, Dixon tree farm, Wayne and Bollinger Cos., 35 attendees (with UM Extension and MDC)
- Sept 04     Wild turkey woodlands field day, Coldwater and Chollo Holly CA's, Wayne Co., 14 attendees (with National Wild Turkey Foundation, MDC, and Clearwater Longbeards)
- Feb 04      Display booth at Missouri Annual Tree Farm Conference, Lake of the Ozarks, Miller Co., 125 attendees
- Jan 04      Display booth at Heartland Agriculture and Natural Resources Exposition, Poplar Bluff, Butler Co., 10,000+ attendees
- Oct 03      Forestry field day, Nussbaum tree farm, Cape Girardeau Co., 64 attendees (with MDC and UM Extension)
- Sep 03      Alternative forest products workshop, Sherwood Forest Camp, Reynolds Co., 25 attendees (with MDC and Missouri Consulting Foresters Association)
- Jun 03      Demonstration of timber stand improvement, Flatwood C.A., Wayne Co., 15 attendees (with MDC)
- Feb 03      Master Wildlifer seven-session satellite class, 47 attendees (with MDC and UM Extension)
- Jan 03      Display booth at Heartland Agriculture and Natural Resources Exposition, Poplar Bluff, Butler Co., 10,000+ attendees
- Oct 02      Forestry field day, Graves Mtn. C.A., Wayne Co., 14 attendees (with MDC)
- Oct 02      Forestry field day, Peck Ranch, Carter Co., 14 attendees (with MDC, Big Springs RC&D, and Carter SWCD)
- Oct 02      Forestry field day, Dixon tree farm, Wayne and Bollinger Co's., 52 attendees (with MDC and UM Extension)

- Oct 02      Forestry field day, Clinton tree farm, Wayne Co., 96 attendees (with MDC and UM Extension)
- Feb 02      Master Tree Farmer II seven-session satellite class, 32 attendees (with MDC and UM Extension)
- Jan 02      Display booth at Heartland Agriculture and Natural Resources Exposition, Poplar Bluff, Butler Co., 10,000+ attendees
- Oct 01      Forest management and TSI two-day short course, Graves Mtn. C.A., Wayne Co., 40 attendees (with MDC)
- Oct 01      Forestry field day, Peck Ranch, Carter Co., 8 attendees (with MDC & Big Springs RC&D)
- Feb 01      Master Tree Farmer seven-session satellite class, 36 attendees (with MDC and UM Extension)
- Oct 00      Forestry field day, Little Black CA, Ripley Co. , 12 attendees (with MDC, Ripley SWCD, and Big Springs RC&D)
- Oct 00      Forestry field day, Mark Nussbaum farm, Cape Girardeau Co., 30 attendees (with MDC and Extension)
- Oct 00      Forestry field day, Dixon farm, Wayne/Bollinger Co., 30 attendees, (with MDC and Extension)
- Feb 00      Master Tree Farmer ten-session class with tour, Marble Hill Woodland School, Bollinger Co., 16 attendees (with SE Extension and MDC)

*Conferences, expos, and tours attended to build capacity (11)*

- Mar 06      National Bioenergy and Wood Products Conference II: Innovations in Restoring Forests and Strengthening Economies, Denver, CO, attended by Peter Becker and Joe Kiser
- Dec 05      Energy from Agriculture: New Technologies, Innovative Programs and Success Stories, St. Louis, MO, attended by Peter Becker and Gerald Bryan
- Aug 05      Status, Trends, and Future of the South's Forest and Agriculture Biomass, Athens, GA, attended by Joe Kiser and Peter Becker

- Dec 04 National Forest Foundation, Community Assistance Program Workshop, Golden, CO, attended by Stan Murray
- Oct 04 Keeping the Forest, Salem, MO, economic and ecological benefits of uneven-aged silviculture, attended by Peter Becker
- May 04 Smallwood 2004, Sacramento, CA, small diameter timber utilization, attended by Peter Becker and Jason Jensen
- Apr 04 InWoodsExpo, Hot Springs, AR, mechanized logging equipment demonstration, attended by Peter Becker, Joe and Jan Glenn, and Jason Jensen
- Mar 04 USDA Forest Service, Forest Products Lab tour, Madison, WI, small diameter timber utilization, attended by Peter Becker, Jason Jensen, and Hank Stelzer
- Feb 03 USDA Forest Service, Options to Provide for Diversity of Plant and Animal Communities in Land and Resource Management Planning workshop, Washington, DC, attended by Peter Becker
- Jun 02 Forestry Collaborative Joint Session III, Black River Falls, WI, development of sustainable forestry groups, attended by Peter Becker, Gerald Bryan, and Dave Turley
- Feb 03 Missouri Natural Resource Conference, attended by Peter Becker

*Courses attended to build capacity (4)*

- Feb 05 Forest Stand Dynamics Short Course, instructed by Dr David Larsen, University Forest, MO, by Peter Becker
- Nov 03 Non-Profit Management, hosted by Missouri Association of RC&Ds, St. Louis, MO, by Jeff Lamb
- May-Jul 03 Non-Profit Management and Leadership Program Series, hosted by University of St. Louis, Salem, MO, by Jeff Lamb
- Oct 01 RC&D Concepts, hosted by USDA/NRCS National Employee Development Center, Denver, CO, including non-profit management, by Jeff Lamb

**Products**

*Published reports (2)*

- 2009 CVal: a spreadsheet tool to evaluate the direct benefits and costs of carbon sequestration contracts for managed forests. General Technical Report FPL-GTR-180. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 27 p. Authored by E.M. (Ted) Bilek, Peter Becker, and Tim McAbee.
- 2006 Conventional and mechanized logging compared for Ozark hardwood forest thinning: Productivity, economics and environmental impact. Northern Journal of Applied Forestry 23: 264-272. Authored by Peter Becker, Jason Jensen, and Dennis Meinert.

*Unpublished reports (7)*

- 2008 Beyond the 10% solution: Promoting family forest management through carbon trading (with MoCARB, the Missouri Forest Carbon Working Group)
- 2008 Sample size requirements for estimation of carbon sequestration in Missouri's managed family forests
- 2005 Productivity, economics and environmental impact of conventional and mechanized equipment for thinning Ozark forests ([http://www.eofc.org/thinning\\_study.htm](http://www.eofc.org/thinning_study.htm))
- 2004 Forest management in Missouri
- 2004 The status of timberland in the EOFC region: extent, ownership, quality, harvest sustainability, and silvicultural requirements
- 2003 Flatwoods forest thinning demo
- 2003 Economics of timberland ownership and management In the EOFCRC region

*Presentations (6)*

- 2009 Missouri Natural Resource Conference, Carbon markets: Implications for forest management, 5 February
- 2009 Missouri Natural Resources Conference, Effect of basal area factor and fixed-radius plot size on precision and accuracy of forest inventory estimates, 4 February (with MDC)

- 2008 Missouri legislators' information seminar, Bio-energy from Wood: Guiding Principles for Legislation, 17 January
- 2006 NRCS State Technical Committee, Forest Practices Allocation, 3 August
- 2006 Missouri Energy Task Force, Think Green, Buy Green: Energy from Biomass, 26 June
- 2006 Missouri Forest Products Association, Biomass Panel, 9 June

*Proposals (23)*

- 2008 Revolving loan fund for enrollment requirements in carbon markets, Taum Sauk Fund
- 2008 Expansion of biomass harvest BMP development to general harvest BMPs, MDC State Forester
- 2008 Education of forest landowners about carbon markets, Reynolds County Educational Enrichment Fund
- 2008 Revolving loan fund for enrollment requirements in carbon markets, NCR-SARE Research and Education Grants
- 2007 Improving forests through better logging, NCR-SARE Farmer/Rancher Grant
- 2007 Revolving loan fund for mechanized logging equipment, Taum Sauk Project Enhancement Fund
- 2007 Low-interest financing for Forestry Best Management Practices, MDNR Division of Soil and Water Quality
- 2007 Sustainable Forestry School for family farmers, MDNR Information/Education Grant [not submitted] and United Way Grant for Reynolds Co.
- 2007 Women in Ag program development in new EOFC counties, Bollinger SWCD Manager
- 2006 Additional Extension Forester for Ozarks, MDC State Forester

- 2006 SALT proposal for forestry practice cost-share, to MDNR interagency committee
- 2006 CROP implementation to levelize timber sales, MTNF Supervisor
- 2006 EQIP allocation for forest management planning, to USDA/NRCS State Conservationist
- 2006 Produce pamphlet on renewable energy potential in Missouri, design biomass harvest BMPs, and publicize Master Logger Certification, L-A-D foundation
- 2006 Improvement harvesting for healthy Ozark forests, to USDA/NRCS Conservation Innovation Grant with seven others
- 2005 A systems approach to certified woody biomass harvest, to USDoE/USDA Biomass Research and Development Initiative with seven others
- 2005 Development of a mechanized harvest system, to Missouri Forest Foundation
- 2005 Increasing the EQIP cost-share allocation to forestry and wildlife practices and improving efficacy, to USDA NRCS Missouri Administrative Area 5
- 2005 A systems approach to modernize logging businesses and restore the health of Missouri forests, to USDA RBS [not submitted]
- 2004 Project Pathfinder: exploring mechanized logging to restore the health of Missouri state forests, to MDC
- 2004 Conservation Innovation Grants: annotated summary + proposal, decisions, and required information, to MDC and Potlatch (AR)
- 2003 A pilot MDC project to enhance landowner assistance for sustainable forest management, to MDC
- 1999 Eastern Ozarks community forestry initiative, to Ford Foundation with SE Extension and MDC
- Videos (2)*
- 2006 You win when you thin, 10 min. (with MDC and UM Extension)

2005 Conventional and mechanized logging technologies, 6 min. (with MDC)

*Displays (2)*

Jan 02 Tabletop display developed for exhibition use

Oct 02 Mobile forestry display developed for fairs and other outdoor exhibitions

*Websites (3)*

Apr 05 EOFC website (<http://www.eofc.org>)

Feb 02 Group list serve and website (<http://groups.yahoo.com/group/EOFC/>)

*Brochures (2)*

Feb 02 EOFC brochure developed after name change took place

Mar 01 EOFCRC brochure developed for promoting the organization and its goals

*Newspaper and newsletter articles (14)*

2007 Biofuels from Wood Parts I and II, Why Use a Professional Forester?, The Fallacies of high Grading, forestry series in county papers

Nov 05 Forestry group explores converting wood residue into fuel, West Plains Daily Quill, by Denise Henderson Vaughn

Nov 05 Representatives of bioenergy firms discuss benefits of technology to lumber industry, Southeast Missourian, by Matt Sanders

Jul 05 Forestry Council Raises Awareness Of Improved Harvesting Techniques, Cooperative Conservation web story, <http://www.cooperativeconservationamerica.org/viewproject.asp?pid=473>

Jun 05 Improving the economics of forest thinning, Wayne County Journal-Banner

- Winter 05 New approaches to logging in Ozark region evaluated at workshop; mechanized thinning trial demonstrated, Green Horizons Newsletter
- Winter 05 Eastern Ozarks Forestry Council wins Earth Team award, Green Horizons Newsletter
- Nov 04 Tree farmer experiments with eco-friendly harvest, Southeast Missourian, by Tony Rehagen
- Oct 04 Demonstration of new approach to logging in the Ozarks, regional and county papers.
- Feb 04 Chainsaw safety training by an expert logger, county papers
- May 03 Increase your forest's value for you and your heirs, county papers

### **Awards**

#### *Group (1)*

- Dec 04 Missouri NRCS Earth Team Group Award for assisting the NRCS in promoting sustainable forestry

#### *Individual (2)*

- Dec 04 Missouri NRCS Earth Team Outstanding Volunteer in Administrative Area 5 to Peter Becker for assisting the EOFC in promoting sustainable forestry
- Mar 04 Conservation Federation of Missouri's Forest Conservationist of the Year 2003 to Jason Jensen for his dedicated work to promote sustainable forestry

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