

**RED-COCKADED WOODPECKER SYMPOSIUM IV**  
**PAPER PROGRAM—THIRD DRAFT**

**MONDAY JANUARY 27, 2003**

- 8:00 **Opening Remarks**  
Ralph Costa, Red-cockaded Woodpecker Recovery Coordinator, U.S. Fish and Wildlife Service
- 8:30 **Welcome and Introduction of Keynote Speakers**  
Sam Hamilton, Regional Director, U.S. Fish and Wildlife Service
- 9:00 Major General David M. Mize, Commanding General, Marine Corps Base Camp Lejeune
- 9:30 Mr. Tom L. Darden, Director, Biological and Physical Resources, U.S. Forest Service, Southern Region
- 10:00 **BREAK**
- 10:30 Mr. David Waller, Director Wildlife Resources Commission, Georgia Department of Natural Resources
- 11:00 Mr. Michael J. Bean, Chairman, Wildlife Program, Environmental Defense
- 11:30 Mr. Craig Manson, Assistant Secretary of the Interior for Fish and Wildlife and Parks
- 12:00 **LUNCH**
- 1:30 Panel Discussion with Keynote Speakers
- 2:00 State of the red-cockaded woodpecker world - highlights of the past decade  
Ralph Costa, U.S. Fish and Wildlife Service
- 2:20 Early history of the listing of the red-cockaded woodpecker and the roles, actions, and consequences of states in the listing, downlisting and delisting of the species  
Jerome A. Jackson
- Foundations of Recovery**
- 2:40 Fort Bragg's improved red-cockaded woodpecker tree data collection process  
Elizabeth J. Evans
- 3:00 **BREAK**
- 3:30 Counting in a descent of woodpeckers  
Charles A. Hess, Paul Kubitlis, and Jim Ruhl
- 3:50 Sustainable forestry for the red-cockaded woodpecker's ecosystem  
Frances C. James, Paul Richards, Eric L. Walters, Matthew Schrader, Charles A. Hess, and Kevin McCluney
- 4:10 Red-cockaded woodpecker recovery: an integrated strategy  
D. Craig Rudolph, Richard N. Conner, and Jeffrey R. Walters
- 4:30 Meta-populations: management strategies for recovery of red-cockaded woodpeckers  
Roy S. Delotelle, Robert J. Epting, David L. Leonard, Jr., Ralph Costa, and Julie Hovis
- 4:50 The North Carolina Sandhills conservation partnership: designing and implementing a landscape-based conservation plan to achieve recovery of a red-cockaded woodpecker population  
Peter Campbell, Scott Belfit, Albert E. Bivings, Eric Wolters, and Fred Annand
- 5:10 Red-cockaded woodpecker population data collection and dissemination in the information age  
Nicole Edwards and Susan Miller
- 5:30 **ADJOURN**
- 6:00 - 8:00 **SOCIAL**

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**TUESDAY JANUARY 28, 2003**

**Military Initiatives - Large Populations**

- 8:00 Success of the Army's 1996 red-cockaded woodpecker management guidelines  
Timothy A. Beaty, Albert E. Bivings, and Theodore G. Reid
- 8:20 Red-cockaded woodpecker management on Fort Bragg: then and now  
Jacqueline J. Britcher, and Janice M. Patten
- 8:40 Landscape scale restoration and red-cockaded woodpecker recovery?  
John Doresky, Michael Barron, and Pete Swiderek
- 9:00 An intensively managed and increasing red-cockaded woodpecker population at Fort Stewart,  
Georgia  
Lawrence D. Carlile, Timothy A. Beaty, Eric W. Spadgenske, Lee R. Mitchell, Sidney E. Puder, and Craig Ten  
Brink

**Private Land Initiatives**

- 9:20 From Cone's Folly to Brosnan Forest and beyond: protecting red-cockaded woodpeckers on  
private lands  
Robert Bonnie
- 9:40 **BREAK**
- 10:10 North Carolina Sandhills red-cockaded woodpecker safe harbor program: current status and  
lessons learned  
Susan L. Miller, Peter Campbell, and Mark A. Cantrell
- 10:30 South Carolina's safe harbor program for red-cockaded woodpeckers  
A. Nicole Chadwick

**Status and Trends of Populations**

- 10:50 Demography and population trends of a small red-cockaded woodpecker population in South-  
Central Florida  
Reed Bowman, David L. Leonard, Jr., Diana Swan, and Donelle L. Schwalm
- 11:10 Status and management of red-cockaded woodpeckers at Camp Blanding training site, Florida  
John J. Kappes, Jr., John Davis, Michael D. Adams, James Garrison, Paul Catlett, Matthew Corby, and Ralph Costa
- 11:30 Population status and trend of red-cockaded woodpeckers on Eglin Air Force Base, Florida  
Carl J. Petrick and Bruce W. Hagedorn

**LUNCH**

- 1:20 Red-cockaded woodpeckers on three wildlife management areas in Penninsular Florida:  
inventory, monitoring, and management  
Julie Hovis and David L. Leonard, Jr.
- 1:40 The red-cockaded woodpecker on the Savannah River Site: aspects of reproductive success  
Peter A. Johnston, Donald W. Imm, and William Jarvis
- 2:00 Restoration, status, and future of the red-cockaded woodpecker in the Francis Marion National  
Forest thirteen years after Hurricane Hugo  
Steven M. Lohr, William E. Taylor, and James C. Watson
- 2:20 Status and management of the red-cockaded woodpecker in Georgia: emphasis on private lands  
James C. Ozier, Wilson W. Baker, and Phil B. Spivey
- 2:40 Status of the red-cockaded woodpecker on private and public lands in the North Carolina  
Sandhills long term study sites: 1992-2001  
Kerry Sadler, J. H. Carter III, Brady Beck, Jeffrey R. Walters, and P.D. Doerr
- 3:00 **BREAK**

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- 3:30 Unusual dynamics in a rapidly increasing population of red-cockaded woodpeckers at Camp Lejeune, North Carolina  
Jeffrey R. Walters
- 3:50 The red-cockaded woodpecker in the Northeastern Coastal Plain of North Carolina  
J.H. Carter III and Kerry Sadler
- 4:10 Decline and protection of the Virginia Red-cockaded Woodpecker population  
Bryan D. Watts and Dana S. Bradshaw
- 4:30 Red-cockaded woodpecker status and management: West Gulf Coastal Plain and Interior Highlands  
D. Craig Rudolph, Richard N. Conner, Richard R. Schaefer, Daniel Saenz, Dawn K. Carrie, N. Ross Carrie, Ricky W. Maxey, Warren G. Montague, Joe Neal, Kenneth Moore, and John Skeen
- Translocation**
- 4:50 Effects of a mobile aviary in translocation success of red-cockaded woodpeckers  
Kathleen E. Franzreb
- 5:10 Rangewide success of red-cockaded woodpecker translocations  
John W. Edwards and Ralph Costa
- 5:30 Effects of translocation on the Apalachicola Ranger District donor population  
Charles A. Hess
- 5:50 Effects of translocation on a large red-cockaded woodpecker population  
Greg Hagan, R. Todd Engstrom, Jim Cox, and Phil Spivey
- 6:10 Effectiveness of recruitment clusters and intrapopulation translocation in promoting growth of the red-cockaded woodpecker population on Eglin Air Force Base, Florida  
Jeffrey R. Walters, Kathleen E. Gault, Bruce Hagedorn, Carl J. Petrick, Louis F. Phillips, Jr., Joseph Tomcho, Jr., and Andrew Butler
- 6:30 **ADJOURN**
- 7:00 - 10:00 **BANQUET AND AWARDS CEREMONY**  
Distinguished Speaker Lindsay Thomas, past U.S. Congressman, Georgia First Congressional District

**WEDNESDAY JANUARY 29, 2003**

- 7:30 Meet in conference room for field trip
- 8:00 Board buses for field trip
- 8:30 Depart for Fort Stewart
- 4:00 Depart Fort Stewart
- 5:00 Arrive Red Gate Plantation for barbecue
- 9:00 Depart Red Gate Plantation for hotel

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**THURSDAY JANUARY 30, 2003**

**Saving Small Populations**

- 8:00 The first reintroduction of red-cockaded woodpeckers into unoccupied habitat: a private land and conservation success story  
Greg Hagan, Ralph Costa, and Michael K. Phillips
- 8:20 Cleaving Adam's rib: red-cockaded woodpecker restoration on Ichauway  
Jonathan M. Stober and Steven B. Jack
- 8:40 International Paper's habitat conservation plan for the red-cockaded woodpecker: implementation and early success  
Craig W. Hedman, Jeremy R. Poirier, Paul E. Durfield, and Mark A. Register
- 9:00 The Chickasawhay Ranger District story: saving a small population from extirpation  
Carol Brown and Stan Simpkins
- 9:20 Withlacoochie State Forest Croom Tract red-cockaded woodpecker recovery effort  
Vincent Morris and Colleen Werner
- 9:40 **BREAK**
- 10:10 Red-cockaded Woodpecker recovery efforts in an isolated and small South Carolina Sandhills population  
Steven M. Lohr
- 10:30 Red-cockaded woodpecker conservation on Fort Jackson military installation: a small population's response to intensive management in the Sandhills of South Carolina  
Timothy G. Marston and Douglas M. Morrow
- 10:50 The rise and fall of the red-cockaded woodpecker population in Kentucky: a chronology of events preceding extirpation  
Lynda M. Mills, Kimberly J. Feltner, and Timothy O. Reed
- Cavities - Cavity Trees - Cavity Communities**
- 11:10 The red-cockaded woodpecker cavity tree: a very special pine  
Richard N. Conner, D. Craig Rudolph, Daniel Saenz, and Robert H. Johnson
- 11:30 Dynamics of cavity excavation by red-cockaded woodpeckers  
Sergio R. Harding and Jeffrey R. Walters
- 11:50 **LUNCH**
- 1:10 Characteristics of initial roost cavities chosen by fledgling red-cockaded woodpeckers  
Joseph C. Neal
- 1:30 Influence of artificial cavity age on red-cockaded woodpecker translocation success  
Daniel Saenz, Richard R. Schaefer, Richard N. Conner, M. Stephen Best, D. Craig Rudolph, and Dawn K. Carrie
- 1:50 Long-term efficacy of artificial cavities for red-cockaded woodpeckers: lessons learned from Hurricane Hugo  
Robert G. Hooper, William E. Taylor, and Susan C. Loeb
- 2:10 Changes in status of cavity trees on the Hobcaw Forest between 1989 and 2001  
Thomas M. Williams, Donald J. Lipscomb, and George K. Chastain
- 2:30 Inoculating red heart fungus (*Phellinus pini*) to create nesting habitat for red-cockaded woodpeckers  
Steven B. Jack, Catherine G. Parks, Jonathan M. Stober, and R. Todd Engstrom
- 2:50 **BREAK**
- 3:10 Use of modified artificial cavities to access red-cockaded woodpecker nests  
Felicia J. Sanders, Ralph Costa, and David L. Otis
- 3:30 Community interactions associated with red-cockaded woodpecker cavities  
John J. Kappes, Jr.

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- 3:50 Population dynamics of red-cockaded woodpeckers and cavity kleptoparasites: implications of cavity experiments in the North Carolina Sandhills  
Jeffrey R. Walters, J. H. Carter, III, and Phillip D. Doerr
- 4:10 Southern flying squirrel use of artificial red-cockaded woodpecker cavities at International Papers Southlands Forest: the past, present, and future  
Jeremy Poirier, Craig Hedman, and Mark Register
- 4:30 Use of water-inundated red-cockaded woodpecker cavities by other organisms  
Eric L. Walters and Jamie M. Kneitel
- 4:50 **ADJOURN**
- 5:00 - 6:30 **Poster Session**

**FRIDAY JANUARY 31, 2003**

**Special Presentation**

- 8:00 Flying squirrel associated Typhus Fever: an old scourge from a new source  
Mary G. Reynolds
- Habitat Management - Habitat Relationships**
- 8:20 Habitat management area prescription process on Fort Bragg and Camp Mackall: first 10-year cycle  
John Merk
- 8:40 Development of a geographic information system based model of red-cockaded woodpecker habitat  
Donald J. Lipscomb and Thomas M. Williams
- 9:00 Red-cockaded woodpecker home ranges and foraging partitions  
Ken M. Convery and Jeffrey R. Walters
- 9:20 Habitat management for the red-cockaded woodpecker on Plum Creek Timber Company forestlands in Arkansas, Louisiana, and Mississippi  
Kit Hart, Lorin Hicks, Joe McGliney, and Richard Stich
- 9:40 **BREAK**
- 10:10 Red-cockaded woodpecker surveying and management in atypical habitat, Tate's Hell Wildlife Management Area  
J. Daniel Sullivan, Jr.
- 10:30 Forest stand selection by foraging red-cockaded woodpeckers  
Robert J. Epting, Roy S. Delotelle, and David L. Leonard, Jr.
- 10:50 Habitat preferences of red-cockaded woodpeckers at the Savannah River Site, South Carolina  
Kathleen E. Franzreb
- 11:10 Red-cockaded woodpecker nutritional status in relation to habitat: evidence from ptilochronology and body mass  
Richard R. Schaefer, D. Craig Rudolph, Richard N. Conner, and Daniel Saenz
- 11:30 Comparison of federal foraging guidelines to mature timber stands in the Red Hills region.  
James Cox and R. Todd Engstrom
- 11:50 Foraging habitat and reproductive success in red-cockaded woodpecker groups in Southeastern Georgia  
Eric W. Spadgenske, C. Ray Chandler, and Stacy A. Lindemann-Mitchell
- 12:10 **LUNCH**

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**Reproductive Ecology**

- 1:40 Factors contributing to variation in fledgling production in central Florida red-cockaded woodpeckers  
David L. Leonard, Jr., Roy S. DeLotelle, and Robert J. Epting
- 2:00 Fledgling sex ratios and population demographics of red-cockaded woodpeckers  
Robert J. Epting, Roy S. Delotelle, and David L. Leonard, Jr.
- 2:20 Hatching failure and embryonic mortality within a red-cockaded woodpecker population in South Carolina  
Nancy E. Jordan, David L. Otis, Ralph Costa, and Sidney A. Gauthreaux
- 2:40 Does partial brood loss in three central Florida red-cockaded woodpecker populations qualify as brood reduction?  
Roy S. Delotelle, David L. Leonard, Jr., and Robert J. Epting
- 3:00 Influence of habitat and number of nestlings on partial brood loss in red-cockaded woodpeckers  
James R. McCormick, Richard N. Conner, D. Brent Burt, and Daniel Saenz

3:20 ***BREAK***

**Prey - Fire - Community Ecology**

- 3:50 Availability and abundance of prey for the red-cockaded woodpecker  
James L. Hanula and Scott Horn
- 4:10 Arthropod density and biomass in longleaf pines: effects of pine age and hardwood midstory  
Richard N. Conner, Christopher S. Collins, Daniel Saenz, Toni Trees, Richard R. Schaefer, and D. Craig Rudolph
- 4:30 Arthropod communities: a possible link between fire history and red-cockaded woodpeckers  
T. Brandon Taylor and Jeffrey R. Walters
- 4:50 Shortleaf pine-bluestem restoration for red-cockaded woodpeckers in the Ouachita Mountains: implications for other taxa  
Ronald E. Thill and D. Craig Rudolph
- 5:10 Composition of mixed-species foraging flocks associated with red-cockaded woodpeckers  
Richard R. Schaefer, D. Craig Rudolph, Daniel Saenz, Richard N. Conner, and Shirley J. Burgdorf
- 5:30 **Wrap-up and Final Comments**  
Ralph Costa
- 6:00 ***ADJOURN***