



# Tall Timbers Research Program Current Grants-Projects

| Title                 | TTRS Investigator(s) | Study Location | Support | Cooperating Organizations |
|-----------------------|----------------------|----------------|---------|---------------------------|
| <b>Beadel Fellows</b> |                      |                |         |                           |

| Title   | TTRS Investigator(s)  | Study Location | Support  | Cooperating Organizations |
|---|---|----------------|----------|---------------------------|
| Survey, monitor, propagate, and initiate new populations for two federally endangered plants, American Chaffseed ( <i>Schwalbea americana</i> ) and Canby's Dropwort ( <i>Oxypolis canbyi</i> ) for US-FWS. | Bill Palmer, Jeff S. Glitzenstein, Donna R. Streng (Beadel Fellows) | Various        | USDI-FWS | USDI-FWS                  |

|   |   |               |   |  |
|---|---|---------------|---|--|
| Monitoring at Westervelt Co. wetland mitigation project adjacent to St. Marks NWR (Mitigation). | Bill Palmer, Jeff Glitzenstein, Donna Streng (Beadel Fellows) | St. Marks, FL | Westerfelt Ecological Services Contract |  |
|---|---|---------------|---|--|

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|---------------------|--|--|--|--|
| <b>Fire Ecology</b> |  |  |  |  |
|---------------------|--|--|--|--|

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|--|----------------------------------|--|---|--------------------------------|
| The Southern Fire Exchange – Putting fire science on the ground. | Kevin Robertson, Carol Armstrong | Tall Timbers, U. Florida, N. Carolina State U. | Joint Fire Sciences Program (updated at 1-year intervals) | USDA-Forest Service/U. Florida |

|   |                 |              |                             |  |
|---|-----------------|--------------|-----------------------------|--|
| Stoddard Fire Plots - Fire behavior, soil characteristics, and ecosystem dynamics | Kevin Robertson | Tall Timbers | WRE-Admin, WRE-Fire Ecology |  |
|---|-----------------|--------------|-----------------------------|--|

|                        |                 |                        |                             |  |
|------------------------|-----------------|------------------------|-----------------------------|--|
| Pebble Hill Fire Plots | Kevin Robertson | Pebble Hill Plantation | Operating, WRE-Fire Ecology |  |
|------------------------|-----------------|------------------------|-----------------------------|--|

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|---|-----------------------------|--------------------------------|-------------------------|---|
| Population and community dynamics of the old-growth forests in Woodyard Hammock | Kevin Robertson             | Tall Timbers' Woodyard Hammock | Operating, WRE-Forestry | Louisiana State University (W.J. Platt-Beadel Fellow) |

## Game Bird

| <b>Title</b>  | <b>TTRS Investigator(s)</b>                      | <b>Study Location</b>                                      | <b>Support</b>  | <b>Cooperating Organizations</b> |
|---|--|--|---|----------------------------------|
| Survival rates of parent-reared chicks in Florida and South Carolina.         | Theron Terhune and Bill Palmer                   | Tall Timbers (Hanna Hammock) and South Carolina properties | Quail Research Initiative, SC Quail Project   |                                  |
| Translocation of Northern Bobwhite to a sanhills site in North Carolina       |  | North Carolina   |   |                                  |
| Effects of supplemental feeding for quail on wild turkey spatial distribution | Theron Terhune, Aaron Griffith, MS Candidate, UT | Tall Timbers, Lochloosa WMA                                | FL- FWCC, National Wild Turkey Federation, University of Tennessee-Graduate Project | FL-FWCC, University of Tennessee |
| St. Sebastian State Park/FWS/ UERP  | Bill Palmer, Greg Hagan                          | St. Sebastian State Park                                   | USDI-FWS  |                                  |
| Albany Quail Project (Demographics on Pineland and outreach to Albany)        | Clay Sisson, Adam White, and Bill Palmer         | Pineland Plantation, Albany Georgia and Hurtsboro, Alabama | Annual Donations from local landowners  |                                  |
| South Carolina Quail Project (Developing new quail lands in SC)               | Theron Terhune                                   | Andrews, SC  | Local landowners in South Carolina  |                                  |

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|--|---|---|--|--|
| Effects of weather and habitat use on survival of bobwhite chick   | Theron Terhune and Graduate student -UGA      | Tall Timbers                                    | U. Georgia, Tall Timbers-Graduate Project          | University of Georgia                  |
| Effects of three rates of supplemental feeding on bobwhite and cotton rat demographics                                     | Bill Palmer, Theron Terhune, Shane Wellendorf | Tall Timbers                                    | Quail Mgt. Research (QMR)                          |  |
| Factors influencing detection of bobwhite coveys   | Theron Terhune, Bill Palmer                   | Mt. Pleasant Plantation, Andrews, SC            | Private/SC Quail Project/Quail Research Initiative | University of Georgia (Dr. J. Martin)  |
| Upland Ecosystem Restoration Project (creating 100,000 acres of quail habitat in Florida)                                  | Bill Palmer, Greg Hagan                       | Florida Public Lands                            | FL-DACS; FL-DEP, FL-FWCC, US-FWS                   | FL-FS, FL-DEP, FL FWCC, USDI-FWS, U-FL |
| Determine factors correlated with long-term changes on northern bobwhite populations at Tall Timbers from 1968 to present. | Theron Terhune                                | Tall Timbers                                    | Quail Research Initiative                          | University of Georgia                  |
| Upland Ecosystem Restoration Project (UERP):Monsanto-Pheasants Forever- Land Management Fund                               | Bill Palmer, Greg Hagan                       | Public Lands                                    | Monsanto/Pheasants Forever                         | Monsanto/Pheasants Forever             |
| US-Forest Service/UERP: Collaborative Forest Landscape, Restoration & Monitoring Grant.                                    | Theron Terhune, Greg Hagan, Sarah Brown       | Osceola Nat'l Forest, Apalachicola Nat'l Forest | USDA-Forest Service                                | USDA-Forest Service                    |

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|--|--|------------------------|---|---|
| Fire Size and Management of Northern Bobwhite on Fred C. Babcock-Cecil Webb Wildlife Management Area | Theron Terhune                                   | Babcock-Cecil Webb WMA | FL-Fish & Wildlife Conservation Commission                              | FL-Fish & Wildlife Conservation Commission, U. Georgia (S. Sofferin-student)          |
| Louisiana Bobwhite Recovery  | Theron Terhune                                   |                        |   |   |
| Evaluating restocking techniques in the Mid Atlantic States  | Theron Terhune                                   | Mid-Atlantic States    | Private Landowners, New Jersey Audubon                                  | MD-DNR, Chester River Field Research Stations, Private Landowners, NJ Audubon, NJ-DFW |
| GIS Workshops  | Theron Terhune                                   | Tall Timbers           | Attendees Fee based   |   |
| Understanding how Wild Turkey nesting chronology and hunter pressure link to gobbling activity       | Theron Terhune, Aaron Griffith, MS Candidate, UT | Tall Timbers           | FL-FWCC, National Wild Turkey Federation, U. Tennessee-Graduate Project | FL-FWCC, U-TN   |

## Land Management

| <b>Title</b>   | <b>TTRS Investigator(s)</b> | <b>Study Location</b>                  | <b>Support</b> | <b>Cooperating Organizations</b> |
|--|-----------------------------|--|----------------|----------------------------------|
| Deer Census  | Eric Staller, Andrew Chase  | Tall Timbers                           | Operating      |                                  |
| Working Lands for Wildlife (EQIP) for Gopher Tortoise. | Eric Staller, Andrew Chase  | Tall Timbers Research Station Property | USDA-NRCS      | USDA-NRCS                        |

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|---|------------------------------|--|----------------------|----------------------------------|
| Determine an efficient control of Bahia grass while conserving important native grasses and forbs | Eric Staller, Andrew Chase   | Tall Timbers, Pickney Hill Plantation, Foshalee Plantation | Operating            |                                  |
| Maintain model quail management on northern half of Tall Timbers Research Station (TTRS)          | Eric Staller, Theron Terhune | Tall Timbers   | Operating            |                                  |
| Wood duck nest success  | Eric Staller, Andrew Chase   | Tall Timbers (Lake Iamonia)                                | Operating            |                                  |
| Longleaf Pine Initiative (EQIP)   | Eric Staller                 | Tall Timbers   | USDA-NRCS            |                                  |
| Gopher tortoise monitoring program and burrow site selection                                      | Eric Staller, Andrew Chase   | Tall Timbers   | Operating, WRE-Admin |                                  |

### Research Admin

| <b>Title</b>                  | <b>TTRS Investigator(s)</b> | <b>Study Location</b> | <b>Support</b>      | <b>Cooperating Organizations</b> |
|-------------------------------|-----------------------------|-----------------------|---------------------|----------------------------------|
| Fire Training Specialist-PFTC | Bill Palmer, Greg Seamon    | Tall Timbers          | USDA-Forest Service |                                  |

### Stoddard Bird Lab

| <b>Title</b>   | <b>TTRS Investigator(s)</b>              | <b>Study Location</b> | <b>Support</b>                            | <b>Cooperating Organizations</b> |
|--|--|-----------------------|---|----------------------------------|
| Adult investment strategies in Brown-headed Nuthatches | Jessica Cusick, Emily Duval, and Jim Cox | Tall Timbers          | Florida State University-Graduate Project | Florida State University         |
| Locating bird nests using a trained dog                | Jim Cox                                  | Red Hills region      | VE-WRE; USDI-FWS                          | U.S. Fish and Wildlife Service   |

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|---|---|---------------------|---|--|
| White Oak   | Jim Cox                                     |                     |   |  |
| Focal species monitoring on public lands  | Jim Cox, Dan Sullivan, Nancy Jordan         | Florida             | VE-WRE; FL-FWCC, USDI-FWS; FL-SP; FL-FS   | FL-FWCC, USDI-FWS; FL-SP; FL-FS  |
| Social context of cooperative behavior in Brown-headed Nuthatch                         | Jim Cox, Jessica Cusick, and Emily Duval    | Tall Timbers        | Florida State University                  | Florida State University   |
| Butterfly Diversity on the Wade Tract   | Dean Jue, Sally Jue, Dave McElveen, Jim Cox | Wade Tract, Georgia | Florida Natural Areas Inventory           | Florida Natural Areas Inventory  |
| Henslow's sparrow status in the Red Hills region  | Jim Cox                                     | Red Hills region    | Station Supported                         |  |
| Breeding season point counts on Tall Timbers  | Jim Cox                                     | Tall Timbers        | Station Supported                         |  |
| Fine-scale genetic structure in a cooperatively breeding bird                           | Jessica Cusick, Emily Duval, and Jim Cox    | Tall Timbers        | Florida State University-Graduate Project | Florida State University   |
| Do mate shortages influence cooperative breeding behavior in the Brown-headed Nuthatch? | Jim Cox                                     | Tall Timbers        | Wildlife Research Endowment (WRE), FSU    | Florida State University, Emily Duval (0.05, FSU) Graduate Student: : Jess Cusick, FSU |
| Habitat management on Kissimmee Prairie Preserve State Park                             | Jim Cox, Evan Hall, Mary Peterson           | Central Florida     | USDI-FWS, FSPS                            | U. S. Fish and Wildlife Service, Florida State Park Service                            |

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| Juvenile gopher tortoise growth, survival, and behavior                 | Tod Radzio, Jim Cox                   | Wade Tract, Georgia   | Drexel University-Graduate Project       | Drexel University                           |
| Florida Grasshopper Sparrow captive breeding supprt                     | Jim Cox                               | Red Hills region      | U. S. Fish and Wildlife Service          | U. S. Fish and Wildlife Service             |
| Use of capsaicin to improve nesting success                             | Jim Cox                               | Red Hills region      | U. S. Fish and Wildlife Service          | U. S. Fish and Wildlife Service             |
| Long-term Bird Monitoring Programs                                      | Jim Cox                               | Florida and Georgia   | WRE-Vert.Ecology                         |   |
| Red-cockaded Woodpecker Conservation in the Red Hills                   | Jim Cox, Jess McGuire                 | Red Hills region      | USDI-FWS, NFWF, EDF, GA-DNR, GOS, VE-WRE | Georgia-DNR, Georgia Ornithological Society |
| Red-cockaded Woodpecker demographics in forests of the Red Hills Region | Jim Cox                               | Red Hills area        | GA DNR; VE-WRE                           | Georgia DNR                                 |
| Genetic variation in the Brown-headed Nuthatch populations              | Kin Han, Jim Cox, and Rebecca Kimball | Florida               | Tall Timbers, University of Florida      | University of Florida                       |
| Red-cockaded Woodpecker reintroduction to Tall Timbers                  | Jim Cox                               | Tall Timbers          | Station Supported                        |   |

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| <b>The Land Conservancy</b> |                      |                |         |                           |

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| Survey of Gopher Tortoises on Private Lands in Georgia | Kim Sash             | Red Hills Region | Georgia Department of Natural Resources, Florida Fish & Wildlife Conservation Commission | GA-DNR; FL-FWCC           |

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| <b>Total Number of Grants / Projects:</b> | <b>52</b> |
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