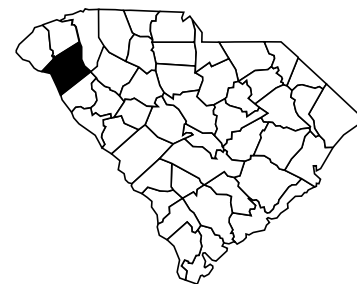


## Anderson County:

Anderson County is highly industrialized near its urban areas, highly agricultural in the remaining area, except for some recreation areas along Lake Hartwell. A few areas in the northwest corner near Clemson are less disturbed by human activity, and offer some acreage that is natural or less disturbed. These areas give a glimpse of the rich flora and fauna that originally covered this part of the Piedmont.



## Sites Visited:

Aull Natural Area, Clemson Experimental Forest  
John and Suzanne Morse's Property

10/24/1998  
03/23/1997

## Aull Natural Area, Clemson Experimental Forest

10/24/1998

Limited access by pre-arrangement only. A map with directions will not be supplied.

The Clemson Experimental Forest is considered to be one of the most extensive university ecosystem laboratories in the United States. It is used for wildlife, forestry, environmental and water quality research and teaching by faculty and students at the university, as well as by other groups and government agencies. The George H. Aull Natural Area has been designated a state registered heritage site. It is recognized as one of the least disturbed upland sites in South Carolina. The site includes trees more than 150 years old that represent a unique combination of old-growth species from both the mountains and piedmont. Topsoil under these trees in the undisturbed areas is up to 16 inches deep. The following list of observations shows the wealth of 'old' species found here. The old growth was highlighted with a 150 year-old tuliptree while the future was ensured by a large patch of young pawpaw trees. The list for this site is short as the day was shared with the Wildcat Creek area which is in Pickens County and is listed with the Pickens County sites.

Aull Natural Area,  
Clemson  
Experimental Forest  
Anderson County, SC  
October 24, 1998

### FLORA

**Southern Grapefern**  
*Sceptridium bitematum*  
**Northern Maidenhair Fern**  
*Adiantum pedatum*  
**Broad Beech Fern**  
*Phegopteris hexagonoptera*  
**Southern Lady Fern**  
*Athyrium asplenoides*  
**Christmas Fern**  
*Polystichum acrostichoides*  
**Loblolly Pine**  
*Pinus taeda*  
**Virginia Pine**  
*Pinus virginiana*  
**Eastern Red Cedar**  
*Juniperus virginiana virginiana*  
**Longleaf Spikegrass**  
*Chasmanthium sessiliflorum*  
**Eastern Beard Grass**  
*Gymnopogon ambiguus*  
**Flexible Sasa-grass**  
*Microstegium vimineum*  
**Beaked Panic Grass**  
*Panicum anceps*

**Common Wild Yam**  
*Dioscorea villosa*  
**Downy Rattlesnake-orchid**  
*Goodyera pubescens*  
**Crane-fly Orchid**  
*Tipularia discolor*  
**Tulip-tree**  
*Liriodendron tulipifera*  
**Small-flowered PawPaw**  
*Asimina parviflora*  
**Sweet-shrub**  
*Calycanthus floridus*  
**Spicebush**  
*Lindera benzoin*  
**Little Brown Jug**  
*Hexastylis arifolia*  
**Windflower**  
*Anemonella thalictroides*  
**Bloodroot**  
*Sanguinaria canadensis*  
**Sweet Gum**  
*Liquidambar styraciflua*  
**Winged Elm**  
*Ulmus alata*  
**Red Mulberry**  
*Morus rubra*  
**Mockernut Hickory**  
*Carya alba*  
**American Chestnut**  
*Castanea dentata*  
**American Beech**  
*Fagus grandifolia*

**White Oak**  
*Quercus alba*  
**Swamp Chestnut Oak**  
*Quercus michauxii*  
**Chinquapin Oak**  
*Quercus muehlenbergii*  
**Red Oak**  
*Quercus rubra*  
**American Hornbeam**  
*Carpinus caroliniana*  
**American Hazelnut**  
*Corylus americana*  
**St. Andrew's Cross**  
*Hypericum hypericoides*  
**Basswood**  
*Tilia sp.*  
**Spotted Wintergreen**  
*Chimaphila maculata*  
**Sourwood**  
*Oxydendrum arboreum*  
**Climbing Hydrangea**  
*Decumaria barbara*  
**Hawthorn**  
*Crataegus sp.*  
**Black Cherry**  
*Prunus serotina serotina*  
**Mimosa**  
*Albizia julibrissin*  
**Hog-peanut**  
*Amphicarpaea bracteata*  
**Hearts-a-burstin'-with-love**  
*Euonymus americanus*

**American Holly**  
*Ilex opaca opaca*  
**Muscadine**  
*Vitis rotundifolia rotundifolia*  
**Red Maple**  
*Acer rubrum*  
**Eastern Poison Ivy**  
*Toxicodendron radicans radicans*  
**Ginseng**  
*Panax quinquefolius*  
**Carolina Jessamine**  
*Gelsemium sempervirens*  
**White Ash**  
*Fraxinus americana*  
**Beechdrops**  
*Epifagus virginiana*  
**Cross-vine**  
*Bignonia capreolata*  
**Bedstraw**  
*Galium sp.*  
**Fragrant Rabbit-tobacco**  
*Pseudognaphalium obtusifolium*  
**Long-stalked Aster**  
*Symphotrichum dumosum*  
**Frost Aster**  
*Symphotrichum pilosum pilosum*  
**White Arrowleaf Aster**  
*Symphotrichum urophyllum*

**Coral (mushroom)**  
*Ramaria* sp.  
**Old-man-of-the-woods**  
*Strobilomyces floccopus*

**FAUNA**

**White-lip Snail**  
*Mesodon thyroideus*  
**Almond Millipede**  
*Sigmoria aberrans*

**Wolf Spider**  
*Lycosa* sp.  
**Carolina Wolf Spider**  
*Hogna carolinensis*  
**Wax Scale**  
*Ceroplastes* sp.  
**Cranefly**  
*Tipula* sp.  
**Snail-eating Ground Beetle**  
*Sphaeroderus stenostomus*  
*lecontei*  
**Patent-leather Beetle**

*Odontotaenius disjunctus*  
**Broad-nosed Grain Weevil**  
*Caulophilus oryzae*  
**Northern Cricket Frog**  
*Acris crepitans*  
**Red-bellied Woodpecker**  
*Melanerpes carolinus*  
**Pileated Woodpecker**  
*Dryocopus pileatus*  
**Blue Jay**  
*Cyanocitta cristata*  
**American Crow**  
*Corvus brachyrhynchos*

**Fish Crow**  
*Corvus ossifragus*  
**Golden-crowned Kinglet**  
*Regulus satrapa*  
**Ruby-crowned Kinglet**  
*Regulus calendula*  
**Pine Warbler**  
*Dendroica pinus*  
**Raccoon**  
*Procyon lotor*  
**White-tailed Deer (tracks)**  
*Odocoileus virginianus*

**John and Suzanne Morse's Property**

08/23/1997

**Private property: A map with directions will not be supplied.**

Gorgeous weather enhanced enjoyment of this privately protected small piece of upper piedmont woodland. Though only 15 acres belongs to the Morses this is a diverse hardwood forest of at least 40 acres of less disturbed woodland habitat. Over the years the Morses have seen most native mammals, many birds, and many insects. Dr. Morse is an entomologist, so the insect population was well protected and studied. The property descends to a small creek that has a nice stand of watercress. It also has a good aquatic insect population that Dr. Morse has carefully monitored. The oak diversity on the hillside was outstanding.

**John & Suzanne  
Morse's Property  
Anderson County, SC  
08/23/1997**

**LICHENS**

*Leptogium cyanescens*  
*Graphis scripta*  
*Bacidia schweinitzii*  
*Pyrrhospora varians*  
*Cladonia peziziformis*  
*Pertusaria ostiolata*  
*Pertusaria paratuberculifera*  
*Pertusaria texana*  
*Pertusaria sinuomexicana*  
*Maronea constans*  
*Lecanora cupressi*  
*Lecanora varia*  
*Lecanora allophana*  
*Parmotrema dilatatum*  
*Parmotrema michauxianum*  
*Parmotrema perforatum*  
*Parmotrema tinctorum*  
*Parmotrema chinense*  
*Flavoparmelia baltimorensis*  
*Flavoparmelia caperata*  
*Canoparmelia caroliniana*  
*Punctelia rudecta*  
*Usnea subfloridana*  
*Usnea subfloridana*  
*Buellia punctata*  
*Buellia caloosensis*  
*Buellia disciformis* v. *triphragmia*  
*Physcia alipolia*  
*Physcia millegrana*  
*Pyxine caesiopruinosa*  
*Pyxine soreliata*  
*Phaeophyscia pusilloides*  
*Phaeophyscia rubropulchra*

*Pyrenula* sp.  
*Trypethelium virens*  
*Leproloma membranaceum*

**FLORA**

**Rattlesnake Fern**  
*Botrypus virginianus*  
**Cut-leaf Grapefern**  
*Sceptridium dissectum*  
**Netted Chain Fern**  
*Woodwardia areolata*  
**Ebony Spleenwort**  
*Asplenium platyneuron*  
**Southern Lady Fern**  
*Athyrium asplenoides*  
**Sensitive Fern**  
*Onoclea sensibilis sensibilis*  
**Shorthair Pine**  
*Pinus echinata*  
**Flexible Sasa-grass**  
*Microstegium vimineum*  
**Bellwort**  
*Uvularia* sp.  
**False Solomon's-seal**  
*Maianthemum racemosum*  
*racemosum*  
**Cinnamon Vine**  
*Dioscorea polystachya*  
**Cranefly Orchid**  
*Tipularia discolor*  
**Tulip-tree**  
*Liriodendron tulipifera*  
**Small-flowered PawPaw**  
*Asimina parviflora*  
**Sweet-shrub**  
*Calycanthus floridus*  
**Sassafras**  
*Sassafras albidum*

**Little Brown Jug**  
*Hexastylis arifolia*  
**Bloodroot**  
*Sanguinaria canadensis*  
**Sweet Gum**  
*Liquidambar styraciflua*  
**Winged Elm**  
*Ulmus alata*  
**Red Mulberry**  
*Morus rubra*  
**False-nettle**  
*Boehmeria cylindrica*  
**Greenfruit Clearweed**  
*Pilea pumila*  
**Hickory**  
*Carya* sp.  
**American Beech**  
*Fagus grandifolia*  
**White Oak**  
*Quercus alba*  
**Southern Red Oak**  
*Quercus falcata*  
**Water Oak**  
*Quercus nigra*  
**Willow Oak**  
*Quercus phellos*  
**American Hornbeam**  
*Carpinus caroliniana*  
**Common Pokeweed**  
*Phytolacca americana*  
**St. Andrew's Cross**  
*Hypericum hypericoides*  
**Yellow Passionflower**  
*Passiflora lutea lutea*  
**Watercress**  
*Nasturtium officinale*  
**Spotted Wintergreen**  
*Chimaphila maculata*  
**Sourwood**  
*Oxydendrum arboreum*

**Azalea**  
*Rhododendron* sp.  
**Climbing Hydrangea**  
*Decumaria barbara*  
**Black Cherry**  
*Prunus serotina serotina*  
**Blackberry**  
*Rubus* sp.  
**Mimosa**  
*Albizia julibrissin*  
**Tick-trefoil**  
*Desmodium* sp.  
**Flowering Dogwood**  
*Cornus florida*  
**Blackgum**  
*Nyssa sylvatica*  
**Hearts-a-burstin'-with-love**  
*Euonymus americanus*  
**American Holly**  
*Ilex opaca opaca*  
**Holly**  
*Ilex* sp.  
**Virginia-creeper**  
*Parthenocissus quinquefolia*  
**Muscadine**  
*Vitis rotundifolia rotundifolia*  
**Red Maple**  
*Acer rubrum*  
**Painted Buckeye**  
*Aesculus sylvatica*  
**Eastern Poison Ivy**  
*Toxicodendron radicans*  
*radicans*  
**Carolina Jessamine**  
*Gelsemium sempervirens*  
**Fringe-tree**  
*Chionanthus virginicus*  
**White Ash**  
*Fraxinus americana*

**Chinese Privet***Ligustrum sinense***Cross-vine***Bignonia capreolata***Trumpet-creeper***Campsis radicans***Bedstraw***Galium uniflorum***Common Elderberry***Sambucus canadensis***Mapleleaf Viburnum***Viburnum acerifolium***Chanterelle***Cantharellus* sp.**Violet-gray Bolete***Tylopilus plumbeoviolaceus***FAUNA****White Micrathena (spider)***Micrathena mitrata***Writing Spider***Argiope aurantia***Basilica Spider***Mecynogea lemniscata***Froghopper***Prosapia bicincta***Bushtailed Caddisfly (larva)***Agarodes griseus***Mortarjoint Casemaker Caddis***Psilotreta frontalis***Hood Casemaker Caddisfly (larva)***Molanna blenda***Giant Robber Fly***Efferia aestuans***Clubtail Dragonfly (larva)***Gomphus* sp.**Common Whitetail***Plathemis lydia***Ebony Jewelwing***Calopteryx maculata***Obscure Rove Beetle***Phanerota fasciata***Earth-boring Dung Beetle***Bolboceras liebecki***Ptilodactylid Beetle (larva)***Anchytarsus bicolor***Eastern Tiger Swallowtail***Papilio glaucus***Eastern Tailed-blue(butterfly)***Everes comyntas***Spring Azure (butterfly)***Celastrina ladon***Eastern Comma; Hop Merchant***Polygonia comma***Red-spotted Purple (butterfly)***Limenitis arthemis astyanax***Carolina Satyr (butterfly)***Hermeuptychia sosybius***Silver-spotted Skipper***Epargyreus clarus***Fall Webworm Moth***Hyphantria cunea***Box Turtle***Terrapene carolina***Red-bellied Woodpecker***Melanerpes carolinus***Downy Woodpecker***Picoides pubescens***Pileated Woodpecker***Dryocopus pileatus***Blue Jay***Cyanocitta cristata***American Crow***Corvus brachyrhynchos***Carolina Chickadee***Parus carolinensis***White-breasted Nuthatch***Sitta carolinensis***Carolina Wren***Thryothorus ludovicianus***Blue-gray Gnatcatcher***Poliophtila caerulea***American Robin***Turdus migratorius***Common Grackle***Quiscalus quiscula***Raccoon (tracks)***Procyon lotor*

(Clockwise starting bottom left.)

Eastern Box Turtle, *Terrapene carolina*, by Mary Garland Douglass.

Patent-leather Beetle, *Odontotaenius disjunctus*, by Kim McManus.

Ebony Jewelwing, *Calopteryx maculata*, by Kim McManus.