



Significant Trees in the Landscape — Documentation and Care

Southeastern Turfgrass Conference

Tim Smalley
University of Georgia

Magnolia Lane - 1858



Georgia Southern Campus, Statesboro - 1933



http://www.uga.edu/significanttreesofgeorgia/

Nominations | Significant Trees of Georgia - Windows Internet Explorer

http://www.uga.edu/significanttreesofgeorgia/NominateaTree.php

Nominations | Significant Trees of Georgia

Significant Trees of Georgia

Home Nominations Significant Trees Contact

Historic and Horticulturally Significant Trees of Georgia Nomination Form

Enter the Significant Tree nominator's information below:

Name:	<input type="text"/>	Street Address:	<input type="text"/>
City:	<input type="text"/>	State:	<input type="text"/>
Zip Code:	<input type="text"/>	Phone:	<input type="text"/>
E-mail:	<input type="text"/>		

Enter the tree owner's information below (if known):

Name:	<input type="text"/>	Street Address:	<input type="text"/>
City:	<input type="text"/>	State:	<input type="text"/>
Zip Code:	<input type="text"/>	Phone:	<input type="text"/>
E-mail:	<input type="text"/>		

Please provide the following tree/species location information:

Common Name:	<input type="text"/>
Scientific Name (Genus, Species):	<input type="text"/>
Exact location of tree:	<input type="text"/>
Significance of tree:	<input type="text"/>

Submit Form

Materials and Methods

- At each tree:
 - Geographically referenced
 - Measured
 - Height
 - Crown
 - DBH



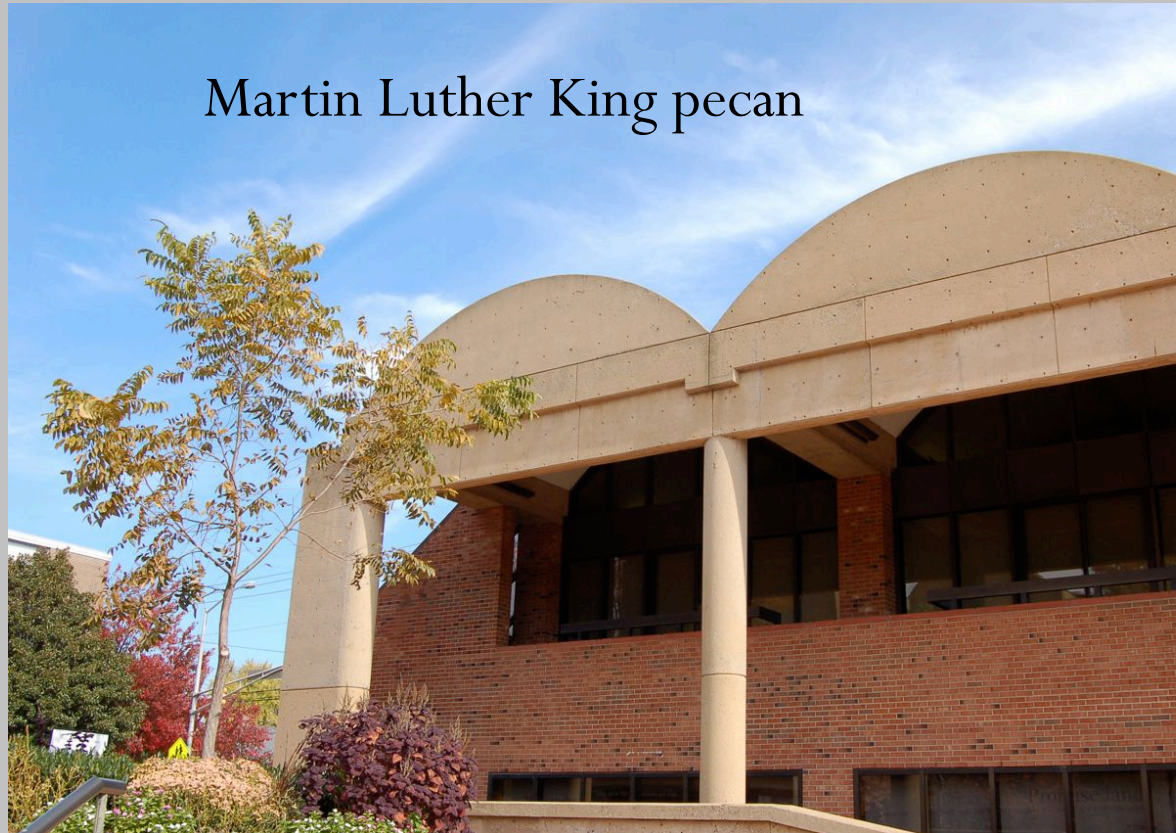
Trees on a golf course

- Aesthetics
- Define rooms
 - Frame, backdrop
- Windbreak
- Shade
- Protect houses
- Hazard



Why do people cherish trees

- Memorials
- Memories



A newspaper clipping from an Athens, Georgia publication. The main headline reads "ATHENS, GEORGIA, MAN. DEEDED TO ITSELF." Below this, a sub-headline states "A TREE IN ATHENS WHICH OWNS ITSELF." The article text begins with "Deeded to It Years Ago--And the Deed May be Seen in the Records-- It Also Owns Real Estate." and continues with "A tree a property holder. What do you think of that? Is it legal? If so, when the tree dies, to whom does the land belong? If not, whose is it now? It is certainly an exceptional case, and nobody ever heard of such a thing before. There are only a few in the city who know it, as it was done so long ago as to pass out of the recollection of nearly all. However, it is true, as the record of deeds at the court-house contains the one giving the tree itself and all the". To the right of the text is a large photograph of a mature tree with a thick trunk, surrounded by a low stone wall and a chain. In the background, a building with a red roof is visible. The newspaper clipping is partially obscured by a large, dark, irregular shape on the left side.

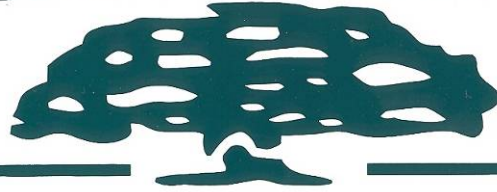
... that the

However, it is true, as the record of deeds at the court-house contains the one giving the tree itself and all the

The State Convention most business-like convened in Georgia. It would do well to emulate the members came and not listen to special exception they made at Temple Graves. Mr. O'Connell, did not. He was indisposed, while nominating a candidate for the budding, applauded down as forward. It was a spectacle to see some

GEORGIA HISTORICAL LANDMARK

350 YEARS OLD



"FRIENDSHIP OAK"

SAVE OUR TREE!



Solace, respite - FDR Oak



Inspiration - Lanier Oak - 1878



Link between generations

Hartwell pecan – George McMullan 1865



Tree vs Turf

- Shade
- Circulation
- Tree Roots
- “Golfballitis”
- 50 feet from
turf
- 1.5 X radius
- East and south



Tree vs Golfer

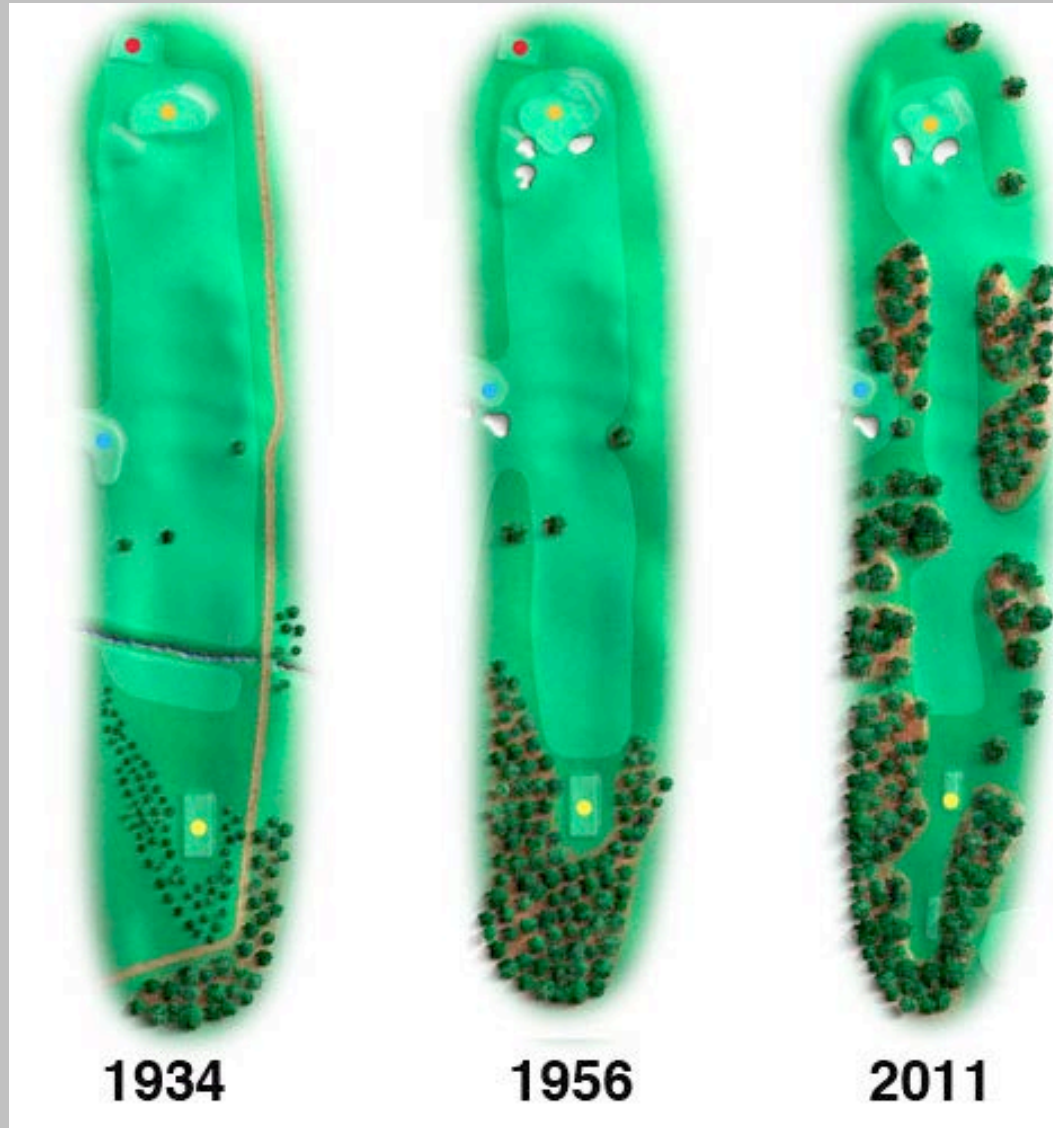
“limited place for them in golf”

Donald Ross, Golf Has Never Failed Me

- Playability
- Visibility
- Greens Committee vs Green Committee
- Liability – roots and branches

“I think the tree is an unfair hazard and
should not be allowed to stand”

Most golf courses eventually
become overplanted with trees



Signature Tree Evaluation

“Does the tree have a purpose”

- Once per year, Twice per year, Once per month
- Evaluate
 - Prune – thin, raise crown
 - Remove
 - Relocate
 - Do nothing

Eisenhower tree Augusta National

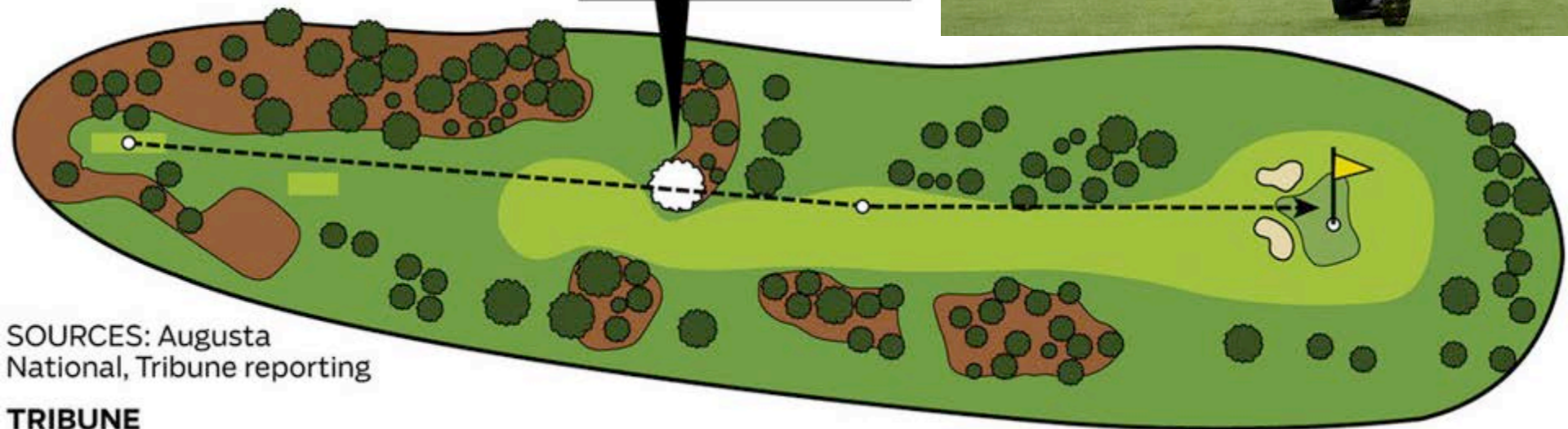


Eisenhower Tree – Augusta National





Where the tree
was located



SOURCES: Augusta
National, Tribune reporting

TRIBUNE

Dr. Alister MacKenzie





Monterey pine – 18th hole – Pebble beach



Protect trees – protect roots





Berlin Oak – Spec Towns - Athens



Lacebark Pine – Athens

No grade change, no planting nearby



Protect – move the highway



I-85 Oak

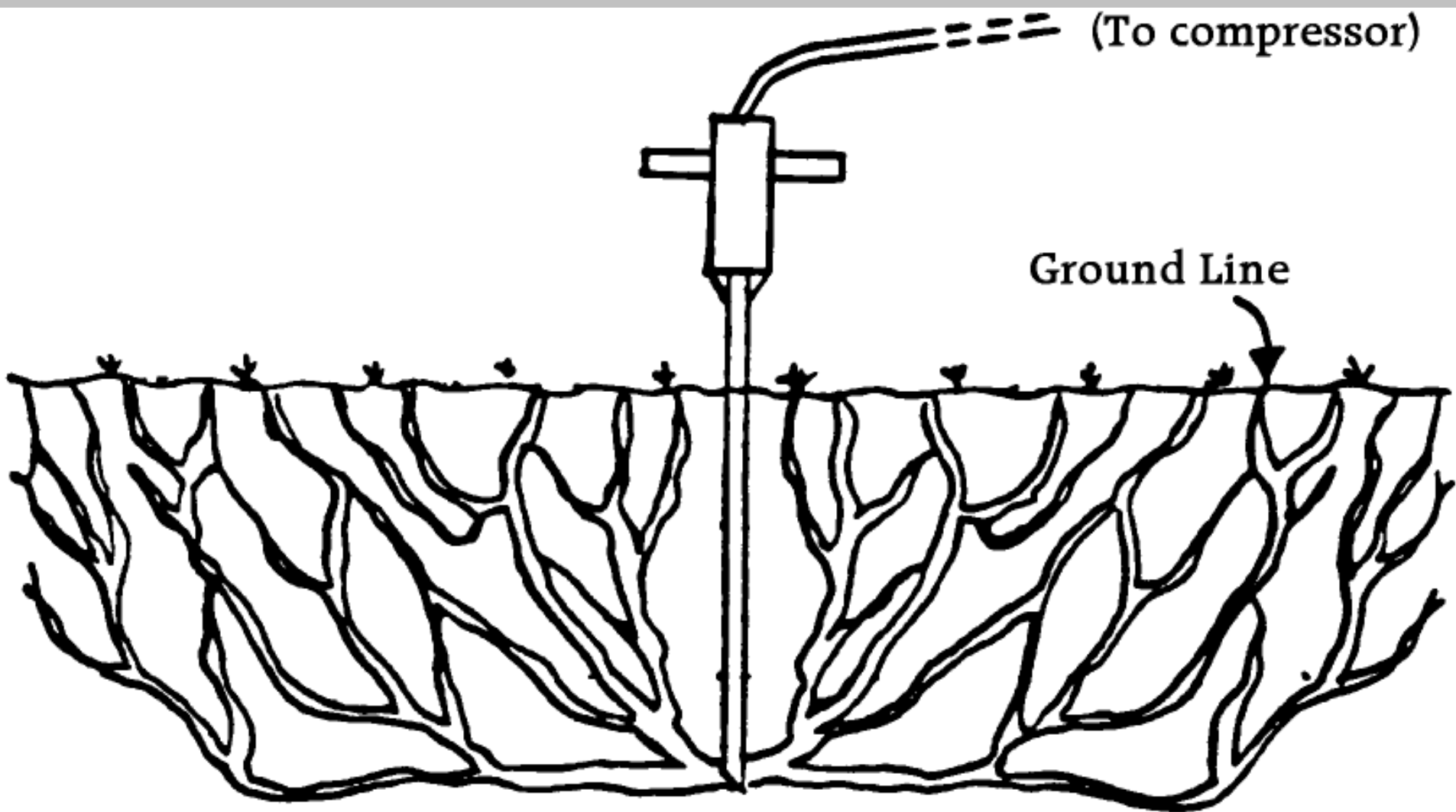


Harris Oak



Drainage issues



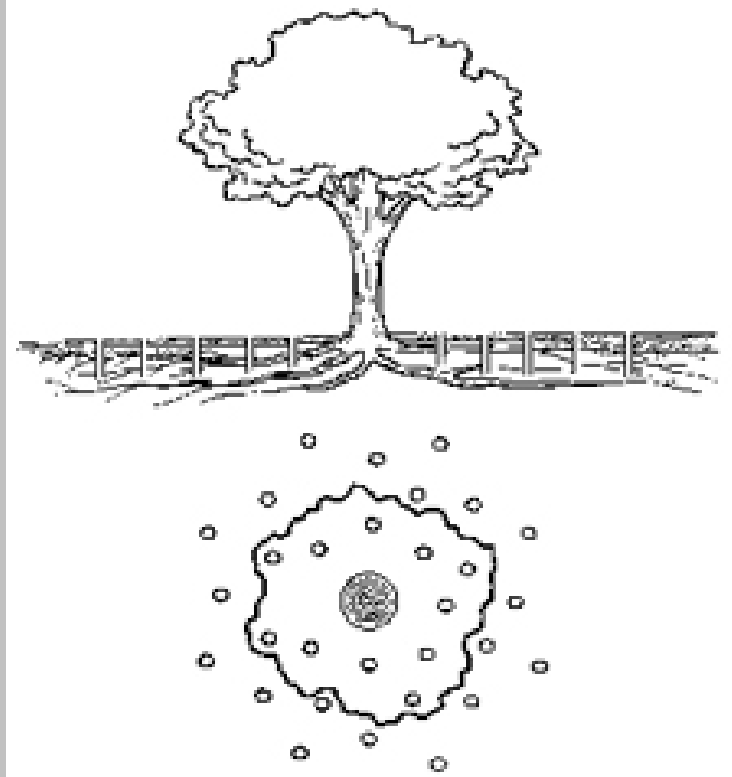


Generic compressed-air
injection machine

Air Tech

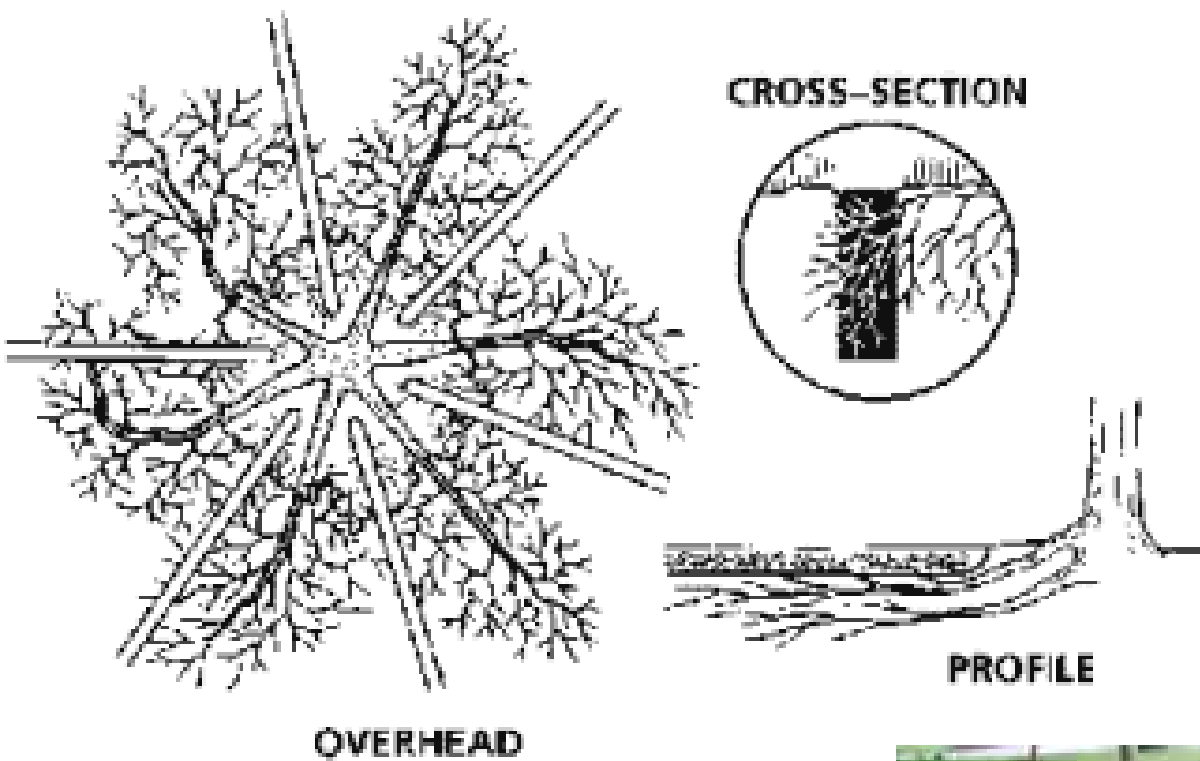


Vertical mulching





Radial Trenching

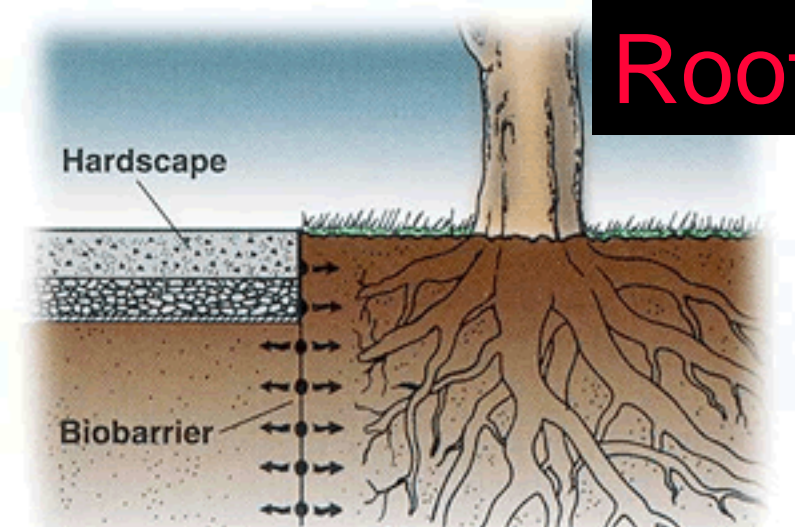


A person wearing grey work pants and brown boots is using a yellow air spade tool to excavate the soil around a large tree trunk. The air spade has a blue handle and a metal nozzle. The excavation reveals a network of roots in the dark brown soil. The ground is covered with green grass and some patches of bare earth. A black hose is visible on the right side of the image.

Air spade

Crown excavation

Root barriers



Surface root pruning

Competition and Liability

- Lift turf
- Air spade root
- Cut root



Biostimulants
Humates
Seaweed
Vitamins



Mycorrhizae benefits

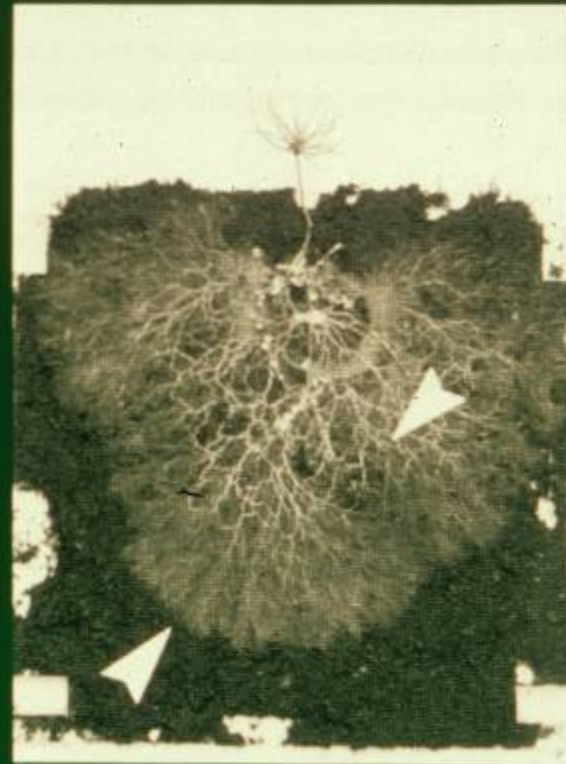
Symbiotic relationship

Benefits:

- Phosphorus uptake

- Water uptake

- Disease suppression



Mycorrhizae

- Native populations
- Limited by fertilization and watering
- Viability issues

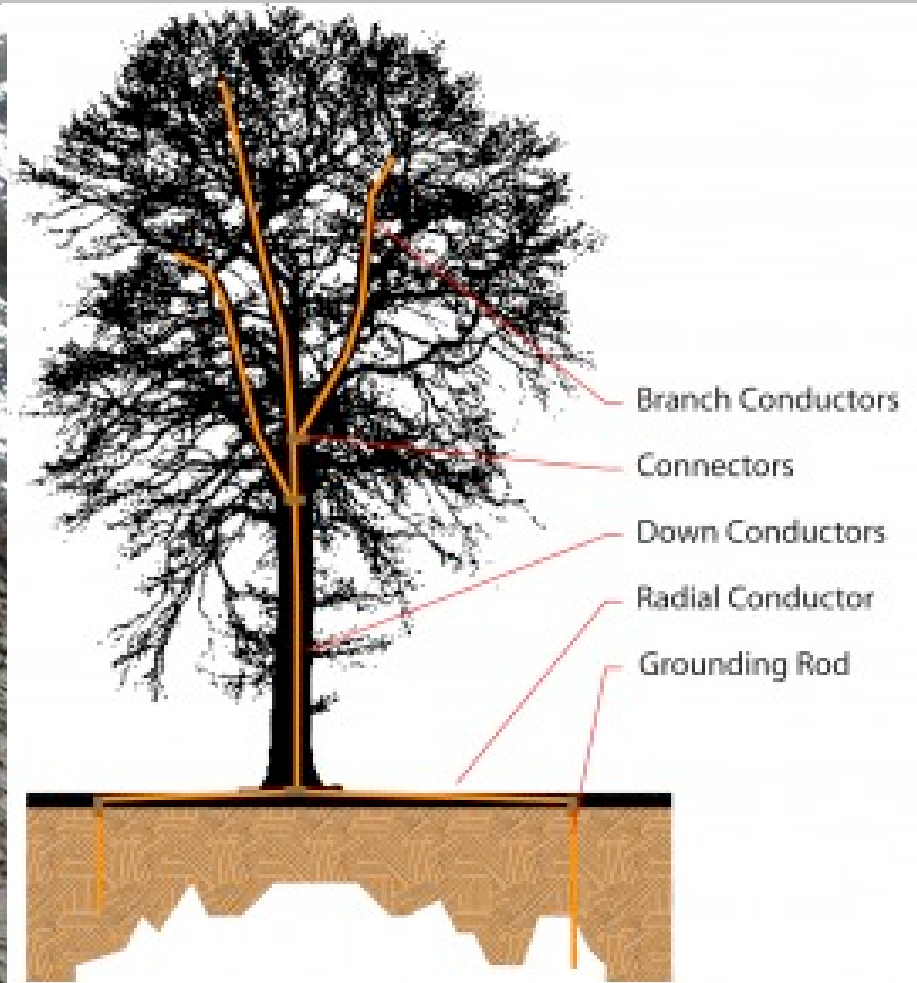
4 inches of coarse mulch



Lightning protection



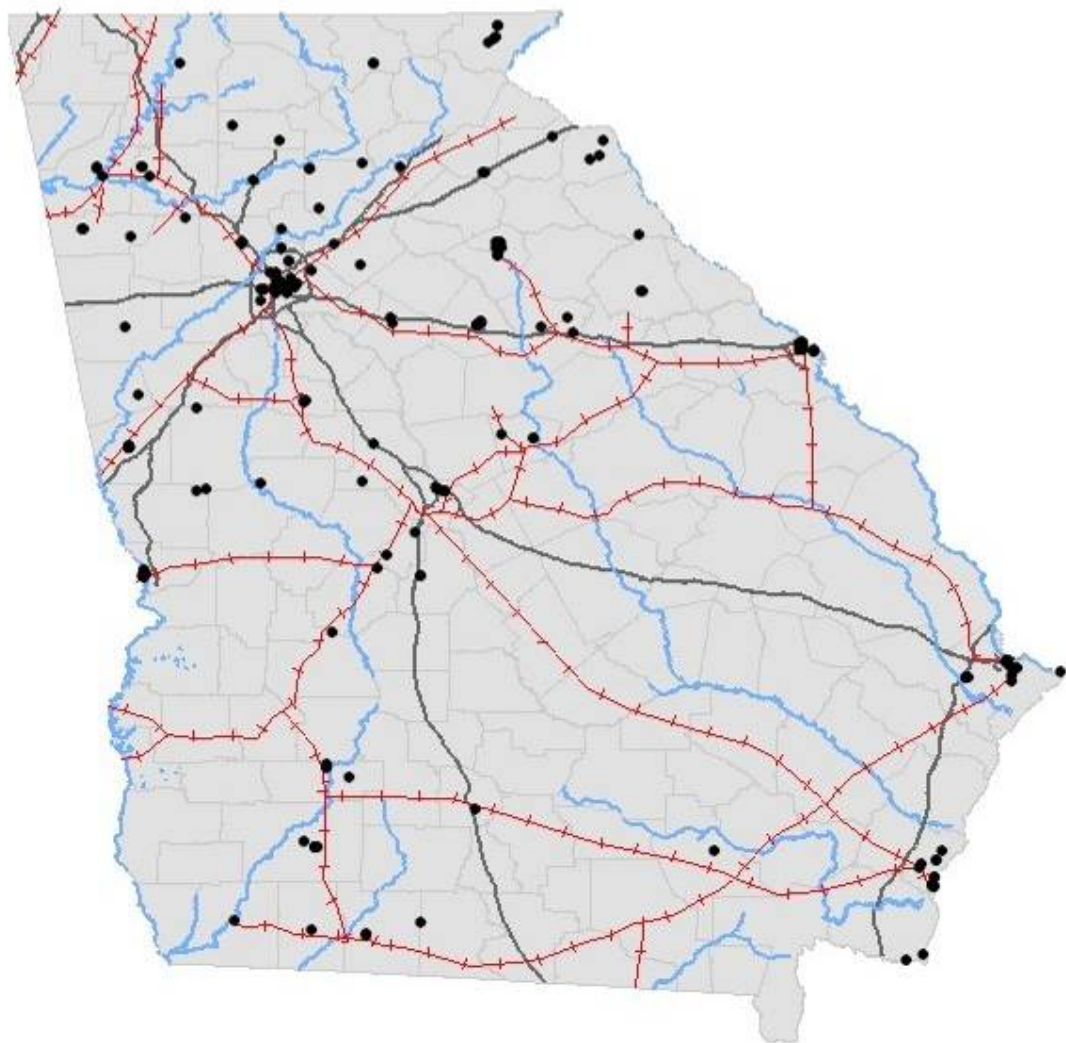
Lightning protection



Cabling and Bracing



Significant trees of Georgia and the 1874 railroad system, major rivers, and the interstate system of Georgia



Legend

- Significant Trees of Georgia
- +— 1874 Georgia Railroad
- Major Rivers
- Georgia Interstates
- Georgia Outline

Waycross Oak



Georgia Trustees State Seal

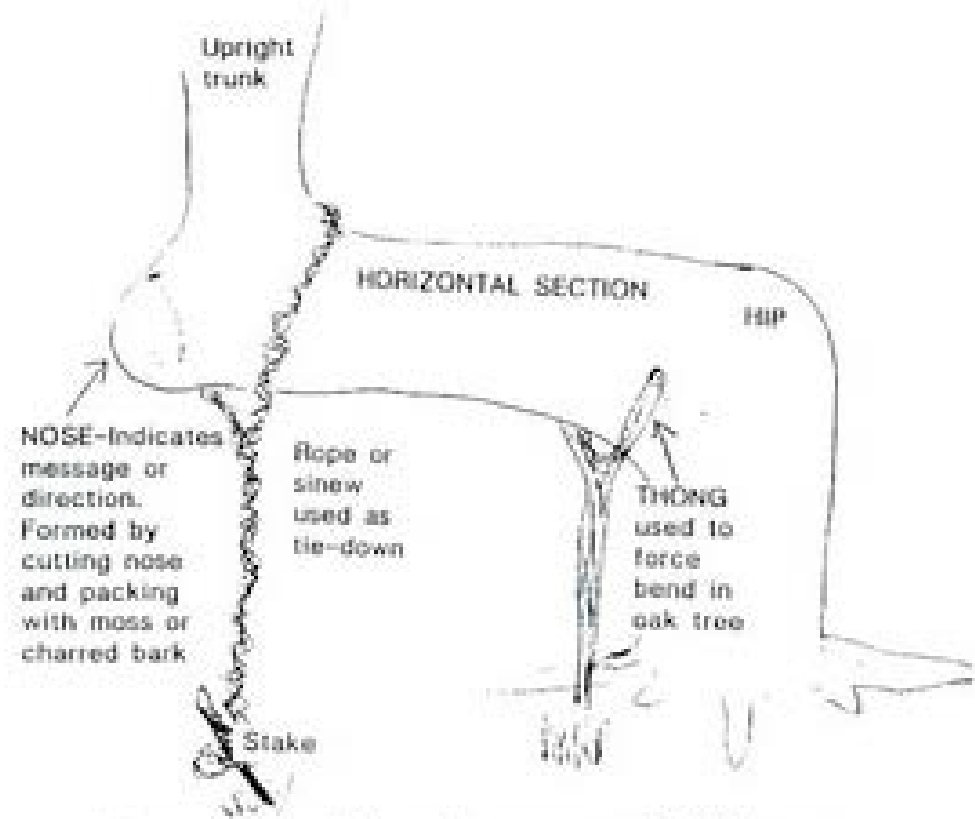


Not for self, but for others

Live Oak – Oaking – Jekyll Island



White Oak – Trail Tree



How a Trail or Thong Tree was probably bent.

American Beech – Arborglyphs - 1838



Chickamauga - 1863



Andersonville Magnolia



Wormsloe - 1897



Bonaventure Cemetery – 1875 - Savannah



Charles Herty Longleaf Pine



Crackers Magnolia



Moonshine Post Oak



Summary

- Inspect
- Predict
- Protect

