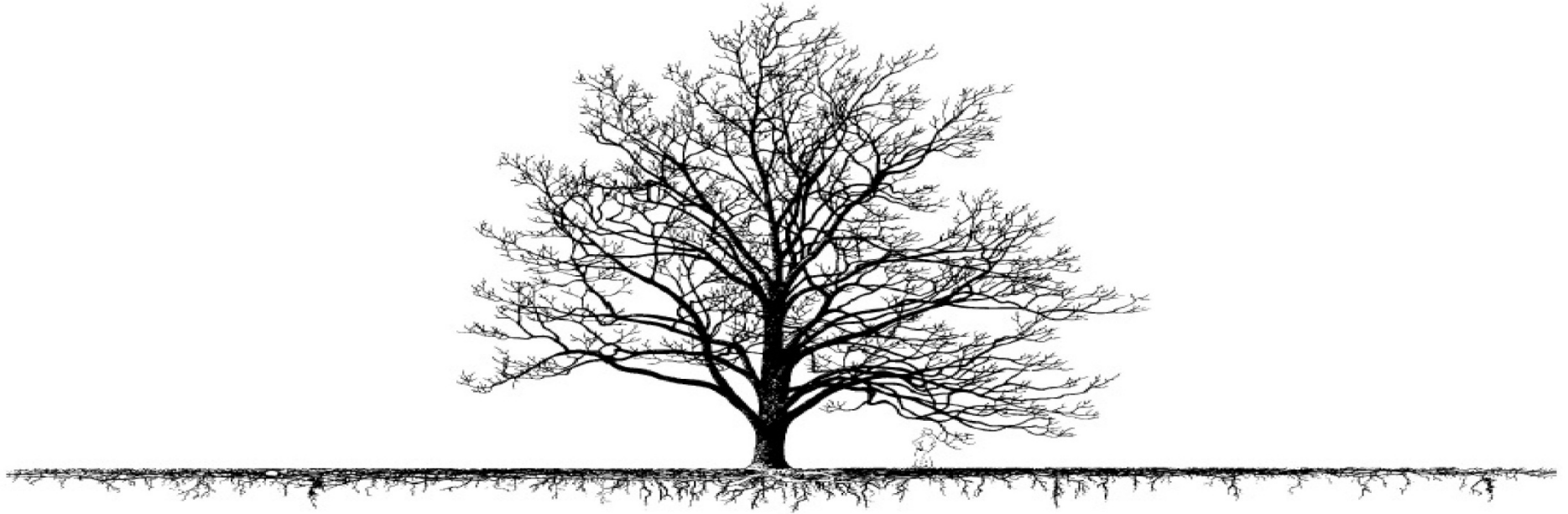


# Tampa Bay Regional Envirothon



Rob Northrop, Extension Forester

# Canon Envirothon

One of North America's Largest High  
School Environmental Education  
Competitions

- Teachers and professionals throughout the United States and Canada guide high school students through an environmental education program that combines classroom learning with out door activities.
- This exposure to nature from a critical perspective and its interrelationship with human impacts on the natural world provides invaluable lessons and develops an understanding of ecosystems and our environment.

# One Team per High School

- 5 students
- 2 alternates
- Regional Envirothon
  - Date: February 17, 2012
  - Place: St. Petersburg College  
Seminole Campus

# Soils and Land Use

- Professional soil scientists help students learn about soil structure, interpret maps, evaluate land forms, and soil characteristics that affect agricultural and development issues.
- Juan Vega, soil scientist  
US Dept. of Agriculture

# Aquatic Ecology

- Students work alongside marine and freshwater biologists to assess the quality of delicate aquatic ecosystems. They also learn to identify aquatic organisms, manage watersheds, and determine non-point source pollution.
- Monica Rivera – professional engineer

# Forestry

- Students develop an understanding of the practices for maintaining healthy forest ecosystems through the help of professional foresters. They learn the basics of species identification, forest structure and dynamics as well as management approaches.
- Robert Northrop, Extension Forester  
University of Florida IFAS

# Wildlife

- A favorite for many Envirothon participants, students learn firsthand from wildlife experts about animal populations, their dynamics, and the importance of habitat conservation.
- Jeanne Murphy, wildlife biologist  
Sensing Nature

# Environmental Issues

- Non-Point Source Pollution and Low Impact Development – urban and suburban design to attenuate the influence of non-point source pollution on open water bodies and aquifers.
- Issue changes every year.
- Lynn Barber, Florida Friendly Landscaping  
University of Florida IFAS

# Current On-line Resources

- Canon Envirothon

[www.envirothon.org](http://www.envirothon.org)

- Florida Envirothon

[www.flenvirothon.com](http://www.flenvirothon.com)

- Tampa Bay Regional Envirothon

[www.hillsboroughcounty.org/soilwater](http://www.hillsboroughcounty.org/soilwater)

# Current On-line Resources

- Curriculum Guidelines
- Supplemental Florida Guides
- Pertinent Background Materials
- Web-based Information and Links

# Resource Scientists and Professionals to Provide Training

- September 27, 28 or 29<sup>th</sup>
- To be determined by Hillsborough County administration

# Tampa Bay Regional Envirothon

- Contact

Kris Stair, PG

Environmental Specialist

Hillsborough Co

Soil and Water Conservation District

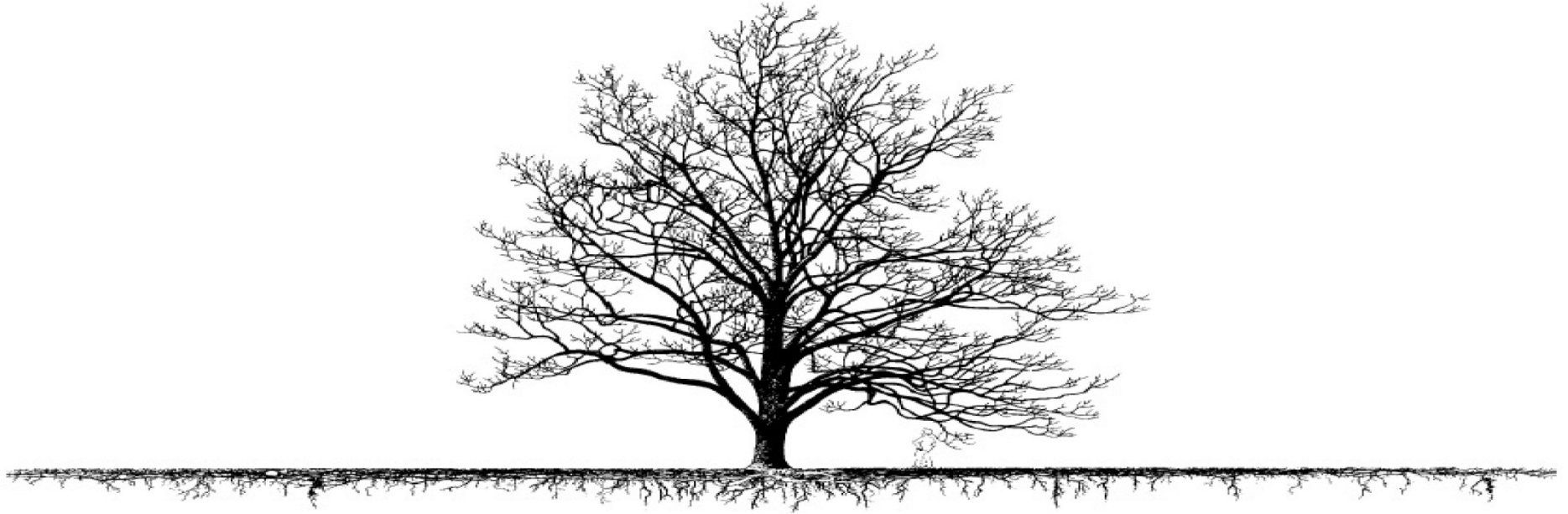
[stairk@hillsboroughcounty.org](mailto:stairk@hillsboroughcounty.org)

813-757-3740

# Example - Forestry

- Key Point 1 – Tree Physiology and Tree and Shrub Identification
- Key Point 2 – Forest Ecology
- Key Point 3 – Sustainable Forest Management
- Key Point 4 – Trees as an Important Renewable Resource

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