The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

Interpreting Aerial Images of Rural Landscapes

March 14, 2018

Instructor: Pete Bettinger, Ph.D.

Warnell School of Forestry and Natural Resources

Room 1-201 (the computer lab)

WARNELL
SCHOOL OF FORESTRY AND NATURAL RESOURCES
THE UNIVERSITY OF GEORGIA

Purpose and Objectives
Aerial imagery is a valuable tool in the management of rural land. Successful natural resource managers need the confidence to be able to interpret what they see in aerial images, in order to effectively communicate to others the current and historical state of forest and agricultural resources. The identification of basic forest and agricultural uses of land, along with conclusions drawn on how the land has been managed, can help one better understand potential land value for economic and environmental purposes.

This four hour course:
- Introduces basic image interpretation principles
- Describes issues (distortion, displacement, etc.) that may be encountered using aerial images.
- Facilitates an understanding of the use of rural lands through the viewing of aerial images in Google Earth.

Upon completion of this course, you should be able to:
- Introduces basic image interpretation principles
- Describes issues (distortion, displacement, etc.) that may be encountered using aerial images.
- Facilitates an understanding of the use of rural lands through the viewing of aerial images in Google Earth.

Who Should Attend?
Natural resource management professionals who have an interest in learning more about how to use aerial images to support natural resource management.

Format
The course involves lecture presentations that provide an overview of aerial image interpretation techniques for assessments of rural land areas. In addition, participants will use Google Earth to further investigate geographic features of the southern United States to further their understanding of the management and use of rural landscapes. The material will be presented in a logical manner, from a description of image interpretation principles to types of imagery products and how they are created. We will focus on the evidence provided through aerial images that enables one to identify different forest types, to understand the silvicultural practices that have been employed, and to assess the use of agricultural lands. Handouts will be provided to summarize the material presented.

Instructor
Pete Bettinger is a professor in the Warnell School of Forestry and Natural Resources. He has more than 30 years of operating, teaching and research experience in forestry and natural resources, including roles with the U.S. Forest Service, several forest product companies, and Oregon State University. Bettinger has taught several courses on forest measurements, forest planning, and harvest scheduling, as well as GIS applications in natural resources management. In 2004, McGraw-Hill published his book Geographic Information Systems: Applications in Forestry and Natural Resources Management. Bettinger earned BS and MS degrees from Virginia Tech, and a PhD from Oregon State University.

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Registration Fee

The fee for this course is $120, which includes instructional materials. **You can register online for the course here:** http://conted.warnell.uga.edu/

Continuing Education Credits

- 4.0 Continuing Forestry Education (CFE) hours – Category 1 (pending approval)
- 4.0 Continuing Logger Education hours (CLE) – Environmental (pending approval)
- Optional 4.0 GA Real Estate Agent/Appraiser credits (approval pending)….$50.00

Full Attendance is Mandatory to Receive Credit.

Course Itinerary

March 14, 2018

Time	Event
7:45 a.m.	Registration
8:00	Principles of image interpretation
8:30	Image type, geometry, quality, accuracy, distortion, and displacement
9:00	Forest composition: conifer, hardwood, mixed, cypress
9:30	Participant exercises using Google Earth
10:00	Silvicultural practices: burning, planting, thinning, final harvest, site preparation
10:30	Participant exercises using Google Earth
11:00	Agricultural uses: pasture, cropland, orchards
11:30	Participant exercises using Google Earth
12:00 p.m.	Adjourn

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Mail-in Registration Form

_____

Name - please print

_____

Preferred name for badge   Birth-date (for transcript retrieval)

_____

Business mailing address or check here if home address ☐

_____

City   State   Zip   County, if Georgia

_____

Home phone   Work phone   Fax

_____

E-mail address   ☐ Please send me e-mail about Warnell Continuing Education programs.

_____

position   organization/employer

By registering for this event I agree to comply with all event and lodging cancellation policies.

Interpreting Aerial Images of Rural Landscapes
March 14, 2018
Registration by March 9, 2018:………………………..$120.00

Enclosed is a check #_____
(payable to Warnell School of Forestry and Natural Resources)
Your registration will not be processed until payment is received.

Cancellations:
Notice must be received by 5:00 p.m. February 28, 2018 to receive a refund. Call Ingvar Elle at 706-583-0566 to cancel.

Mail payment to:
Attn: Ingvar Elle
Warnell School of Forestry & Natural Resources
The University of Georgia
Athens, Georgia 30602

Parking and Directions
A visitor parking deck is located just north of the Georgia Center. Parking is $10.00 per day.

For a map and directions go to:
http://www.warnell.uga.edu/h/aboutWSFR/directions/index_html

Special Services
If you require special services or dietary considerations, please contact Krista Merry (kmerry@warnell.uga.edu) by February 28, 2018.

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