

NCSU Prescribed Burning Plan

NCDNR District: 11 Forest: Schenck Block: Biennial Stand: 11
 Latitude: 35° 48' 55" Longitude: 78° 43' 40" County: Wake

PART 1 GENERAL INFORMATION

Landowner:	NCSU DPT of Forestry & Env Res	Initial Estimates		Purpose of Burn
Address:	Box 8008	Acres to Burn:	<u>8.36</u>	<input type="checkbox"/> Site Prep
	Raleigh, North Carolina 27695	Miles to Plow:		<input type="checkbox"/> Silviculture
Phone:	(919)515-7576	Miles of Bladed Line:	<u>1830 ft</u>	<input checked="" type="checkbox"/> Haz Reduction
Agent:		Hand line:	<u>1002 ft</u>	<input type="checkbox"/> Wildlife Habitat
Phone:		Other:		<input type="checkbox"/> Growing Season
		Forest Roads Other:	<u>1,553.84</u>	<input type="checkbox"/> Other:

PART 2 PRE-BURN PLANNING

Specific Objectives: To reduce 1 & 10 hr fuels by 740%

Overstory species: Loblolly Pine Avg. Ht (ft): 95 Avg DBH (in): 18
 Age of Dominant Sp: 72 Understory species: 1st maple, sweetgum, hickory, oak
 Fine Fuels: Pine, H Wood litter Litter Depth (in): ≥ 3 in Fuel Type: 9 Fuels: Continuous
 % Slope: 0-5% Aspect: N, W, E, S Elevation (ft): 416 Soil: Mineral or Organic
 For In Stand Burning: Basal area (sq ft): 90 Ht to Live Crown (ft): 55 Allowable Scorch Height (ft): 12

Smoke Management

Direction to Smoke Sensitive Area (SSA)	N	NE	E	SE	S	SW	W	NW
Distance to SSA	<u>.5</u>	<u>.4</u>	<u>.5</u>	<u>.5</u>	<u>.3</u>	<u>.25</u>	<u>.5</u>	<u>.4</u>

Estimated Acres 8.36 X Est. Total Available tons/AC 6 = 50.16 Est. total Tons to be Burned

Acceptable Range of Weather parameters (to be completed by, or in consultation with a Burn Boss):

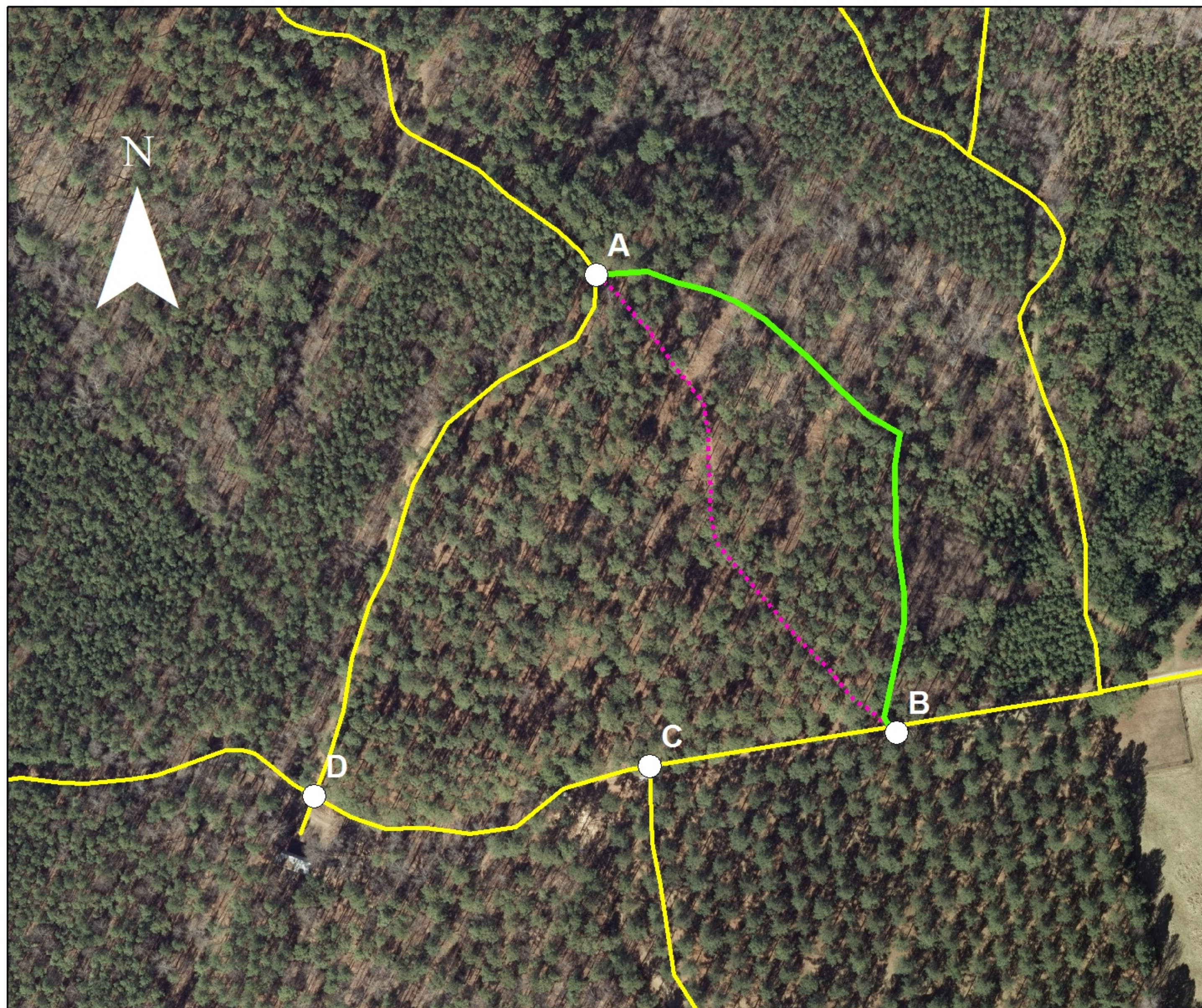
Temp (°F): 20 to 65 RH (%): 20 to 50 Wind Velocity (MPH): 3 to 10
 Wind Direction (Surface): ☐ N ☐ NE ☐ E ☒ SE ☒ S ☒ SW ☐ W ☐ NW
 Transport wind direction: ☐ N ☐ NE ☐ E ☒ SE ☒ S ☒ SW ☐ W ☐ NW
 Mix Height (ft) 3,000 To 7,500 Night time smoke Dispersion (minimum): Gen Poor or better
 Acceptable Burn Categories: ☐ 1 ☒ 2 ☒ 3 ☒ 4 ☐ 5
 Other Weather Considerations:

Special Situations/Instructions (note on attached map):

Ideal wind to have on burn day are S + SE wind.

Prepared by: Matthew Haunberger Title: NCSU Forest Manager (Student) Certified Burner # NCFB-707 Date: 2-27-2014
 Approved by: _____ Title: _____ Certified Burner # _____ Date: _____

Biennial Burn Schenck Forest Stand 11 (8.36 ac)

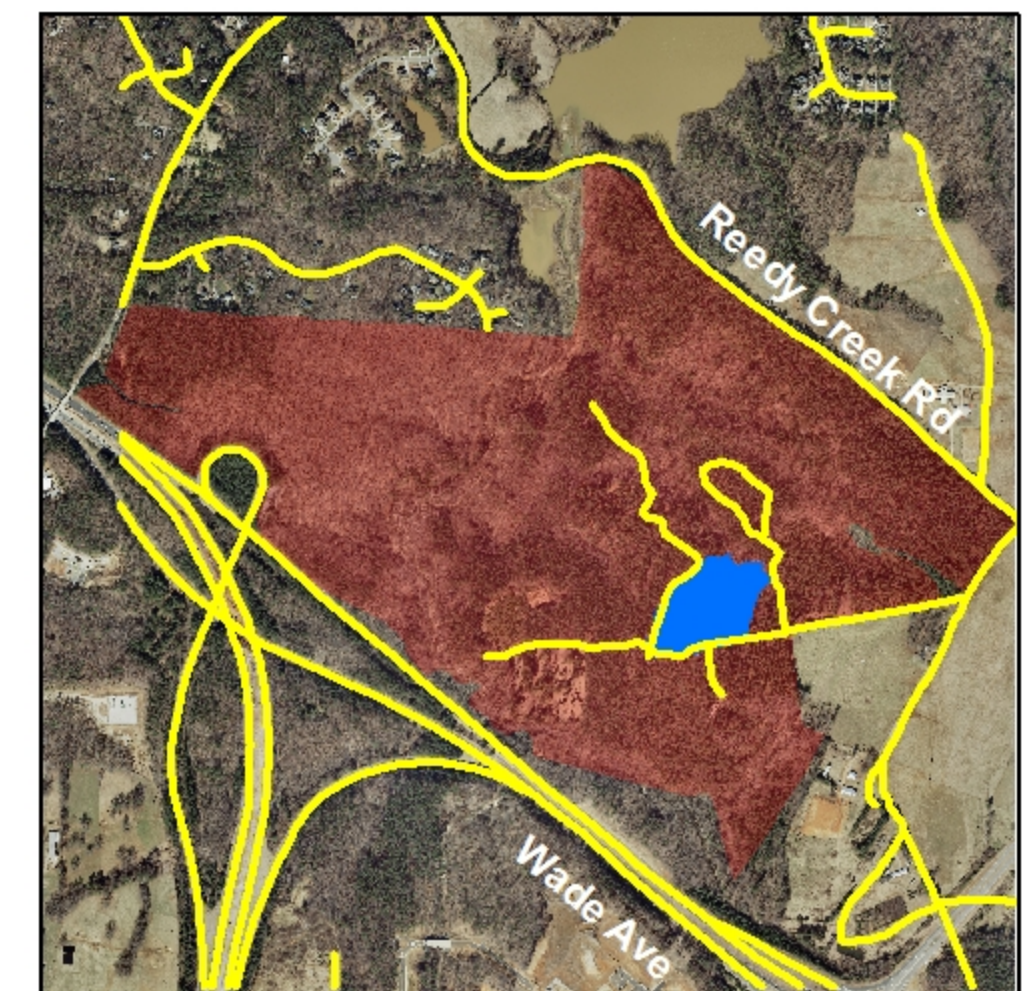


0 125 250 500 750 1,000
Feet

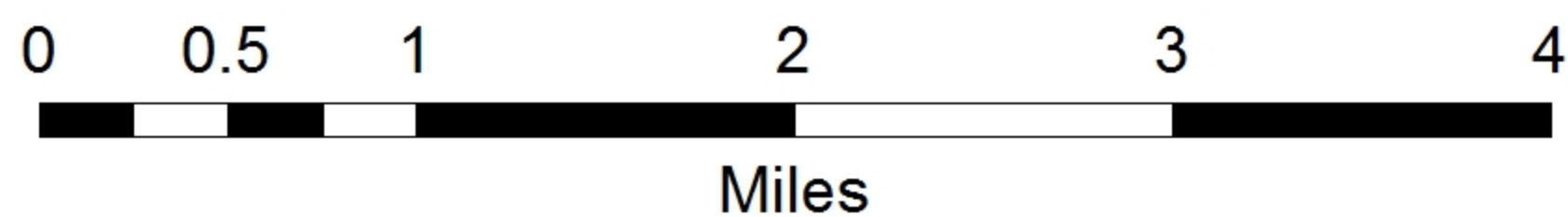
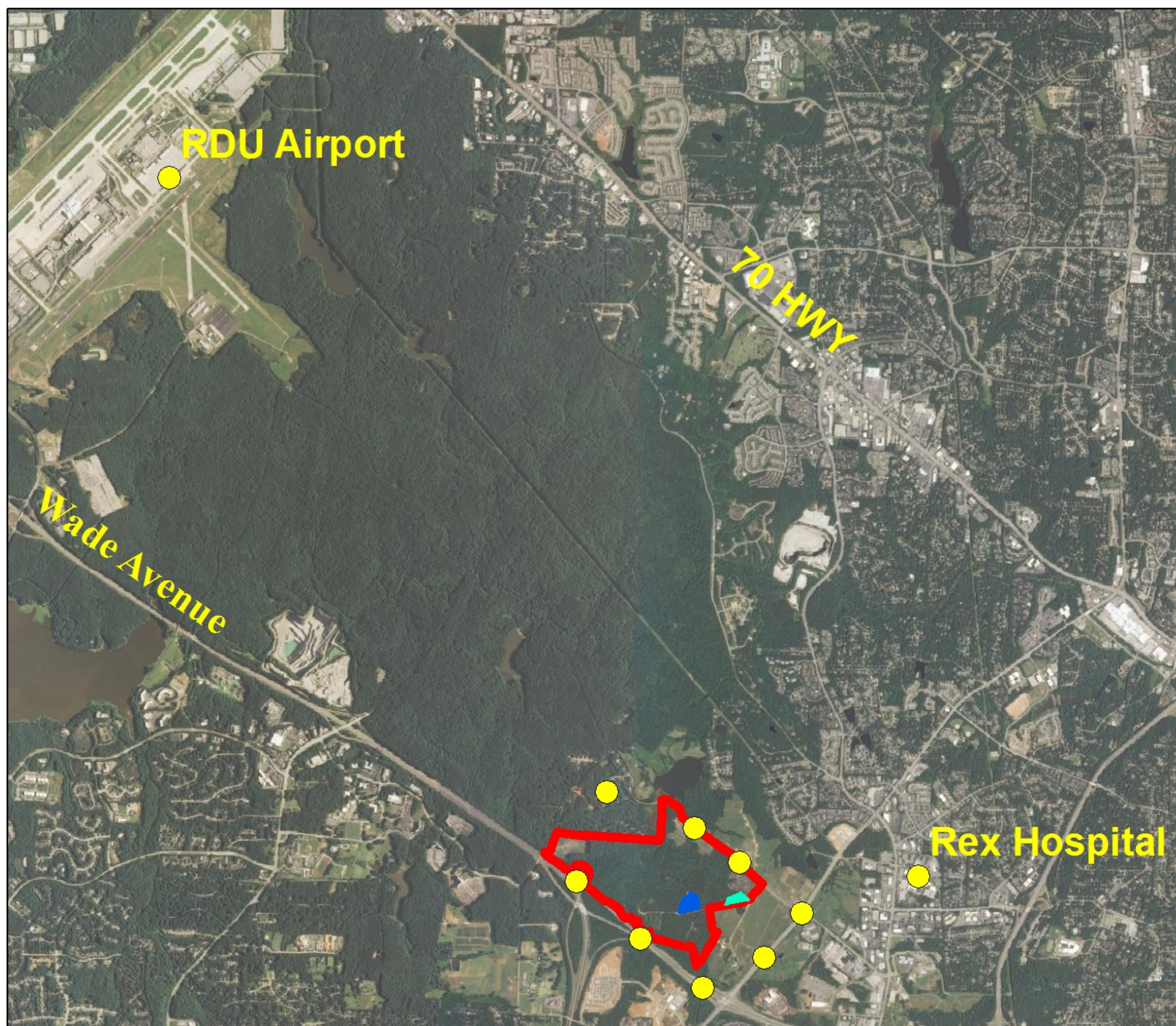
- Plow Line (830 ft)
- Hiking Trail
- Forest Roads
- Stand 11
- Schenck Forest

February 7th 2014
North Carolina State University
Matthew Haunsperger





NAD83 NSRS2007
North Carolina ftUS
Lambert Conformal Conic

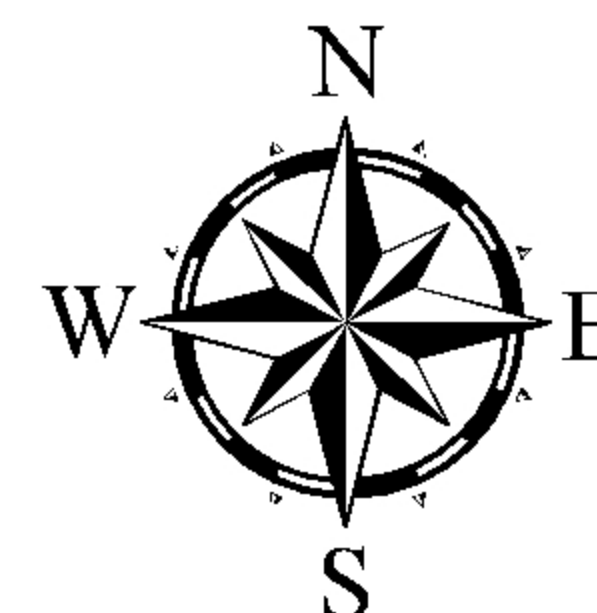


Schenck Forest Smoke Sensitive Areas



Legend

-  Smoke Sensitive Area
-  Stand 11
-  Stand 35
-  Schenck Property Boundary



February 21st 2014
North Carolina State University
Matthew Haunsperger

2012 Imagery
NAD 1983 StatePlane
North Carolina FIPS 3200
Lambert Conformal Conic