Buncombe County Land Conservation: December 2004 Report

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Land Conservation: Objectives

- **► Inventory of Protected Lands**
- Inventory of High Priority Lands
- Promote Fundraising

GIS Mapping

► Geographic Information Systems

Data management tool

➤ Data Sources

USGS – digital elevation maps (DEMs)

Buncombe County – land parcels

Digital Elevation Maps

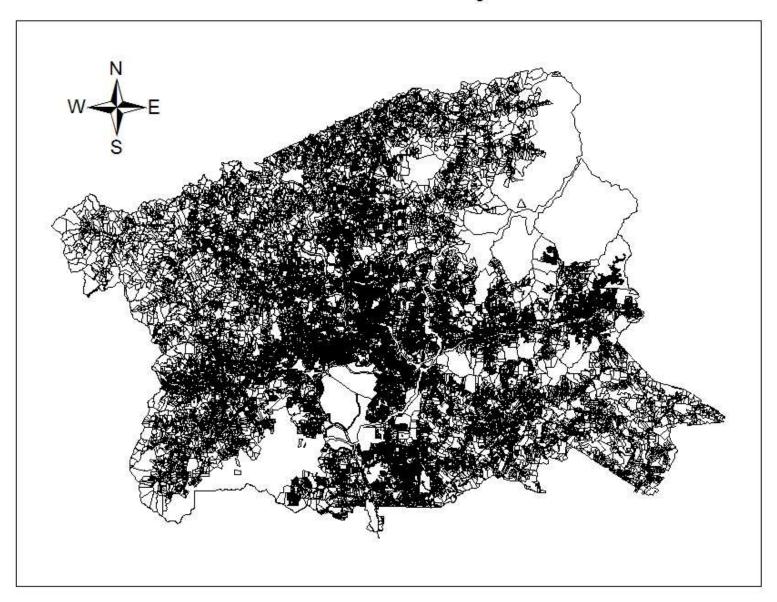
- U.S. Geological Survey maps
- GIS data depot website
- > SDTS format
- > 24K (1:24000 scale maps)
- > 10 meter resolution
- UTM coordinates (NAD 27 datum)
- ► Mosaic of 23 DEMs



Buncombe Parcels Data

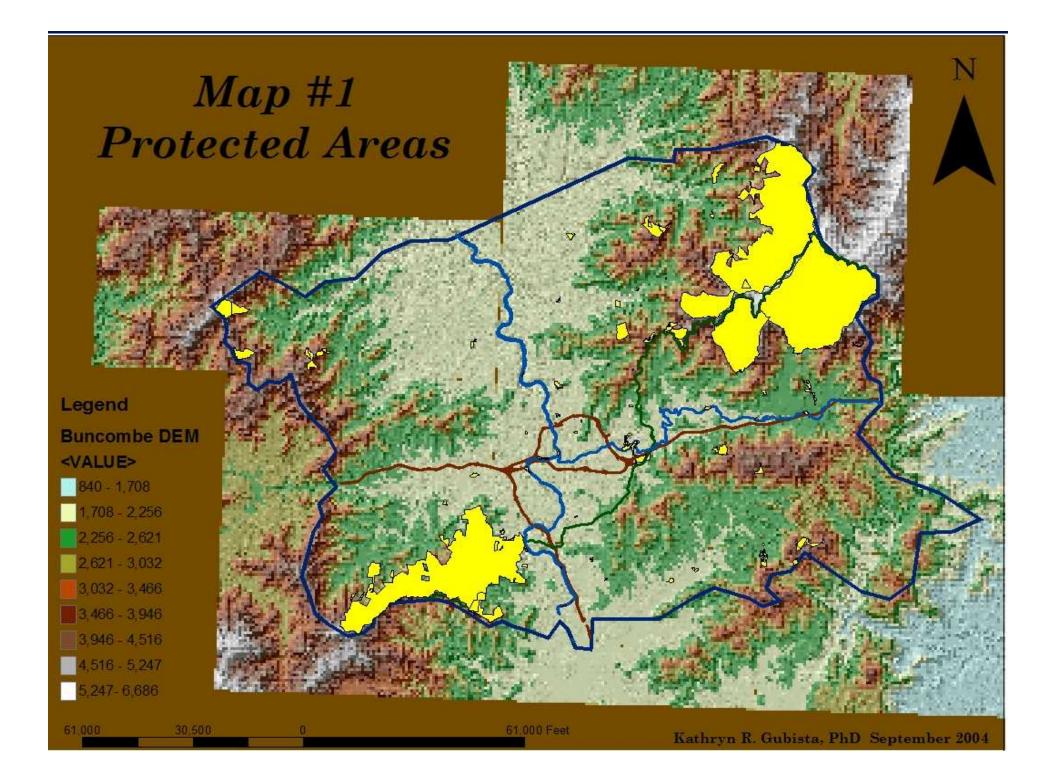
- Digitized County Parcels Data
- County Tax Office
- ► 107,168 individual parcels
- > Owners, PIN #, acreage, land value

Buncombe County Parcels



Land Conservation: Objective #1

Inventory of Protected Lands



Buncombe County Lands

Total = 422,208 acres

Conserved = 50,382 acres

12 % of the County's land

5 parcels account for 94%

37* parcels account for 6%

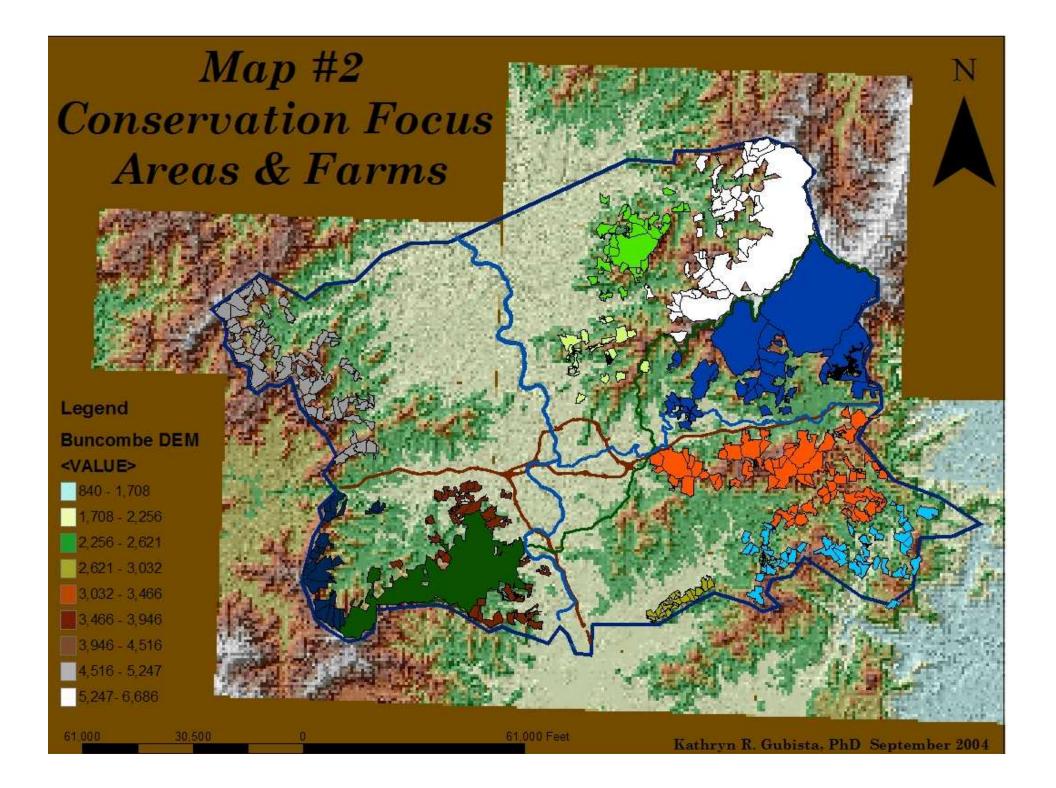
*average = 47 acres

Land Conservation: Objective #2

Inventory of High Priority Lands

- ► Large Parcels (100+ acres)
- Ridge Tops / Highlands
- Near Waterways
- Wetlands
- > Farmlands
- **►** Adjacent to Protected Areas
- > Ecologically Sensitive Areas

- ➤ Large Parcels (100+ acres)
- Ridge Tops / Highlands
- Adjacent to Protected Areas
- **Ecologically Sensitive Areas**



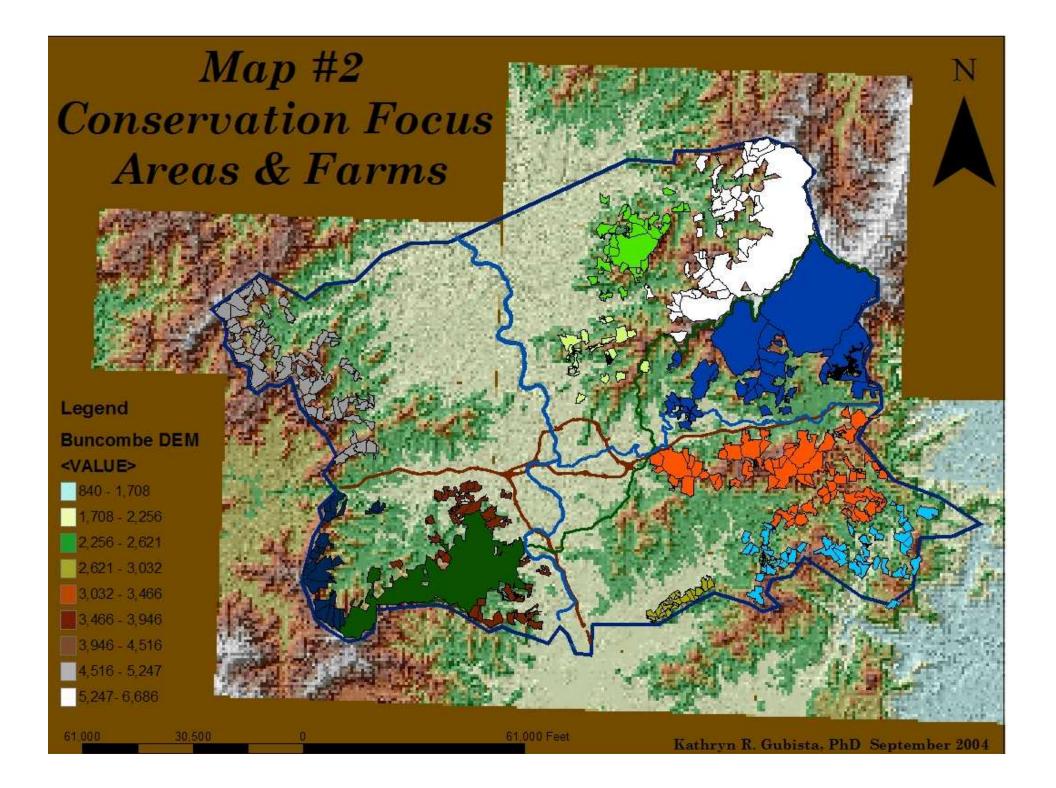
Conservation Focus Areas

- 1. Craggy Mountains
- 2. Little Pisgah Mountain
- 3. Newfound Mountains
- 4. Pisgah Mountain
- 5. Bent Creek
- 6. Swannanoa Mountains
- 7. Okoboji Wilderness
- 8. Young Life Brittain Mountain

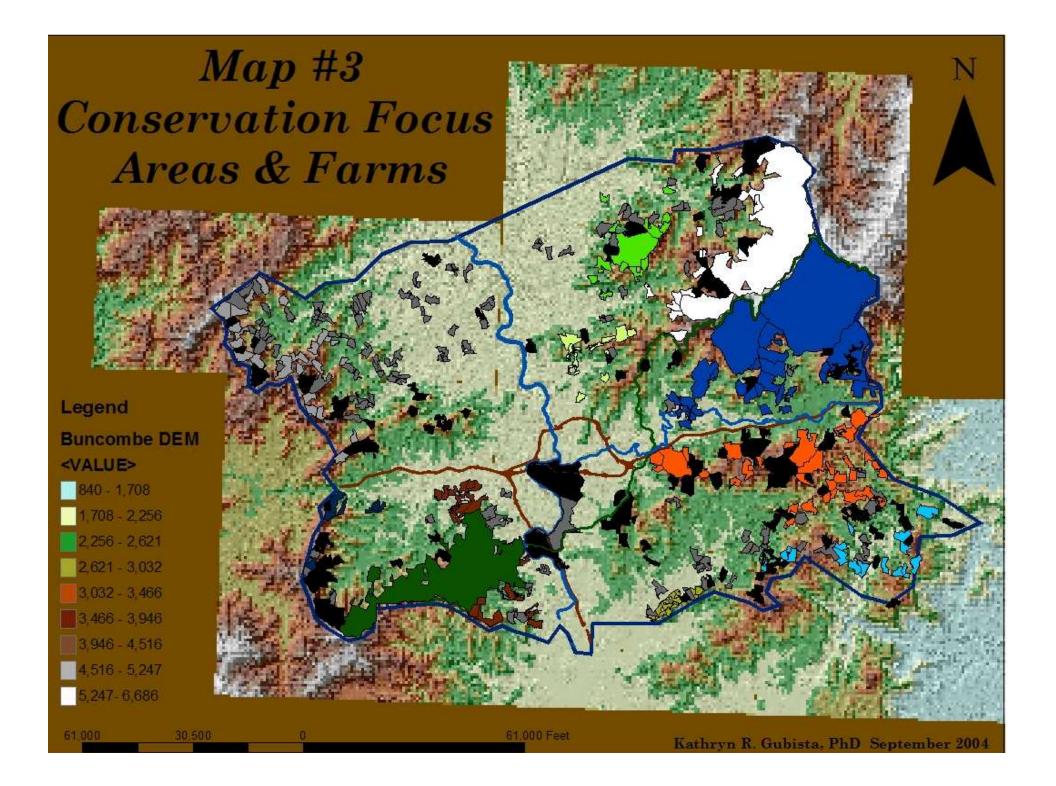
Conservation Focus Areas

Total = ~113,000 acres

Number of parcels = 319
Minimum size = 100 acres
26% of the County's land



- ► Large Parcels (100+ acres)
- Ridge Tops / Highlands
- Adjacent to Protected Areas
- **Ecologically Sensitive Areas**
- > Farmlands



➤ Near Waterways

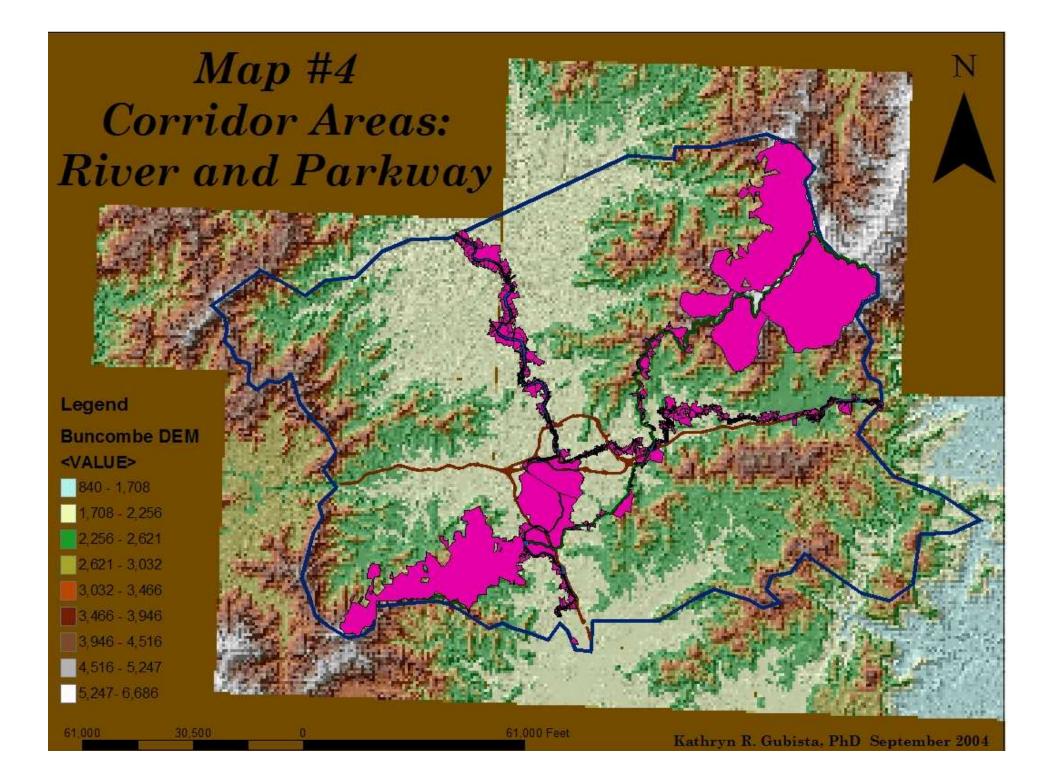
French Broad River*

Swannanoa River*

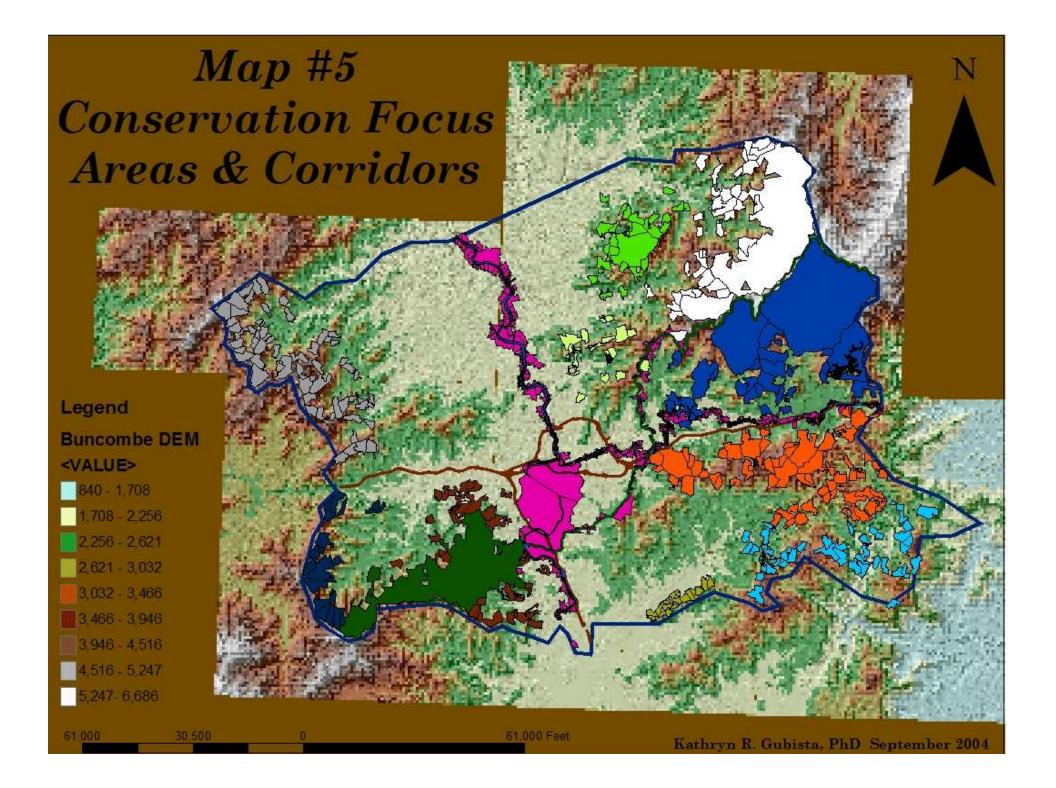
► Adjacent to Protected Areas

Blue Ridge Parkway*

* Within 100 meter = 300 feet



- ► Large Parcels (100+ acres)
- Ridge Tops / Highlands
- Near Waterways
- Wetlands
- > Farmlands
- **►** Adjacent to Protected Areas
- > Ecologically Sensitive Areas



Summary

Natural, cost-effective approach to conservation:

Focus resources on establishing and maintaining easements on large-size, high priority lands.

Large parcels are more valuable if characterized as ecologically sensitive, high elevation areas, near waterways and watersheds, adjacent to the Blue Ridge Parkway, and include historic and working farms.

Summary

The Conservation Focus Areas are comprised of a relatively small number (319) of land parcels that cover a large area (113,000+ acres).

The Conservation Focus Areas represent the "low hanging fruit" because a small number of large-sized parcels comprise over 26% of the county's acreage.