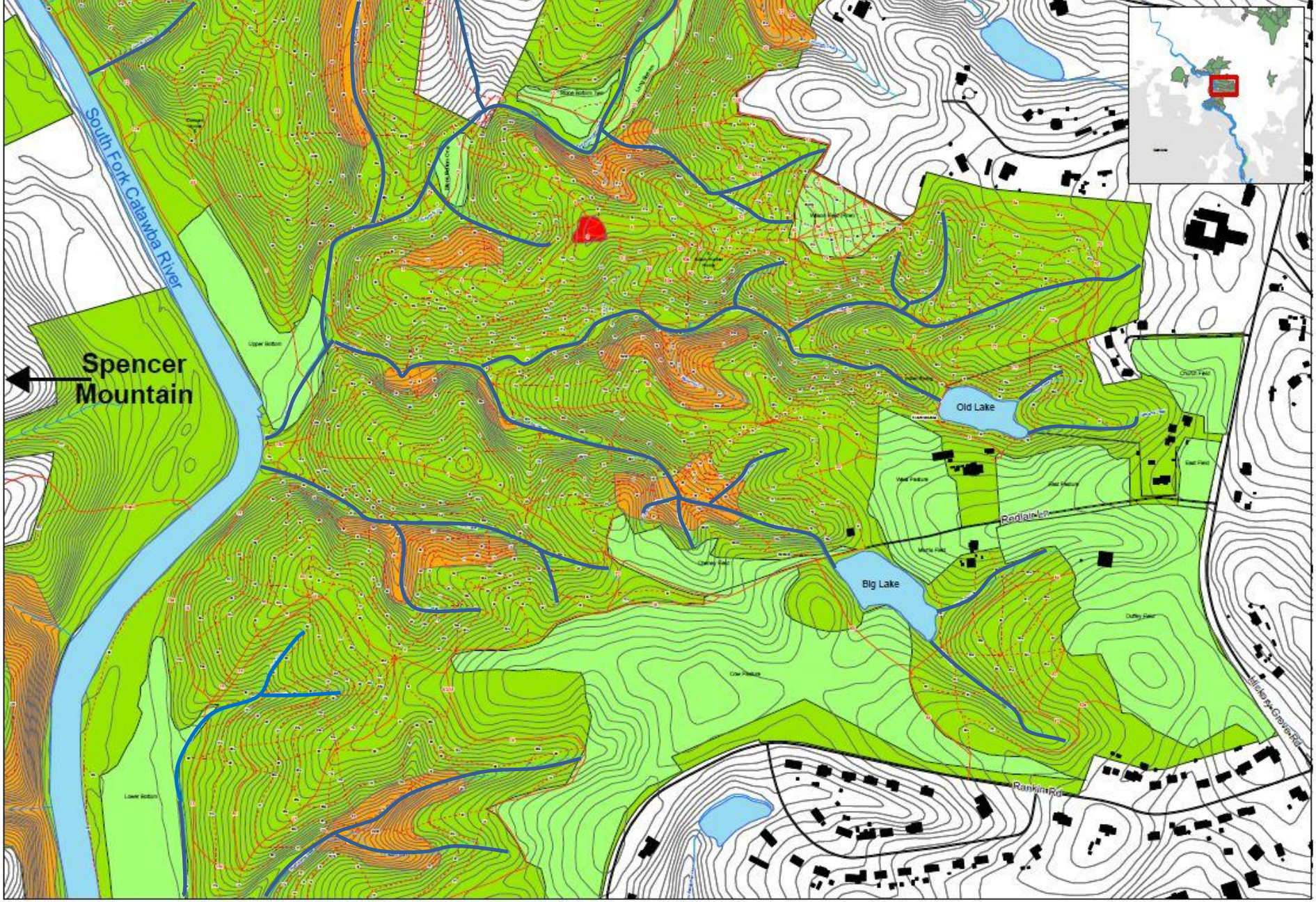


Catawba Lands Conservancy
Saving Land and Connecting Lives to Nature
105 West Morehead Street
Charlotte, NC 28202
Office: 704-342-3330
Fax: 704-342-3340

Redlair - Central

4' Topographic Contour Map

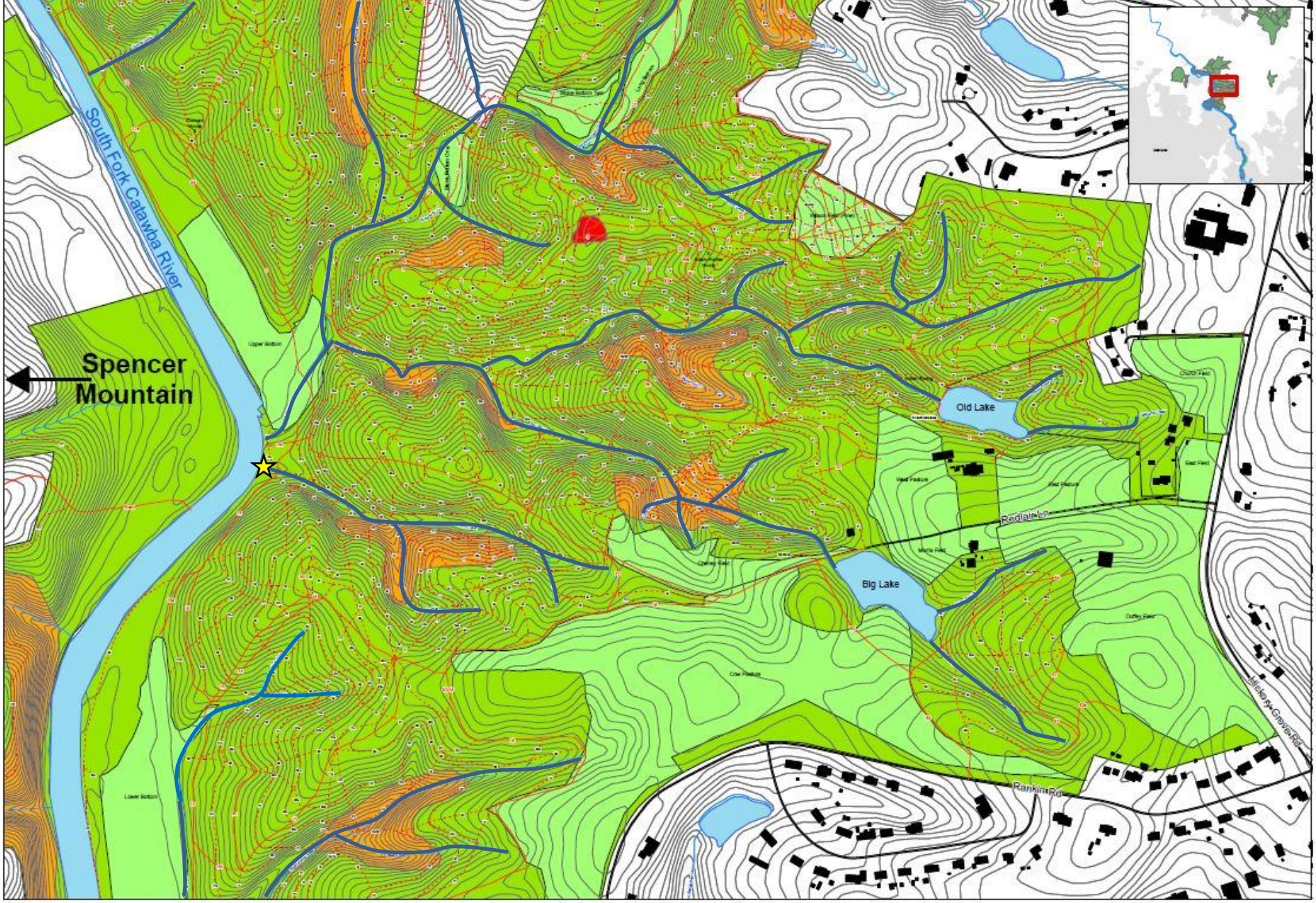
South Fork River - Spencer Mountain
Spencer Mountain, Gaston County

DATE: February 2013

- Minor - 66.5 miles
- Major Trails - 24.8 miles
- Gravel Roads
- Buildings selection
- Bigleaf Magnolia
- Schweinitz's Sunflower
- Redlair Fields
- Forests

SCALE IN FEET
0 150 300 450

Redlair



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Redlair - Central
4' Topographic Contour Map

South Fork River - Spencer Mountain
Spencer Mountain, Gaston County
DATE: February 2013

Minor - 66.5 miles
Major Trails - 24.8 miles
Gravel Roads

Buildings selection
Bigleaf Magnolia
Schweinitz's Sunflower

Redlair Fields
Forests

SCALE IN FEET
0 150 300 450

Redlair

Catawba River
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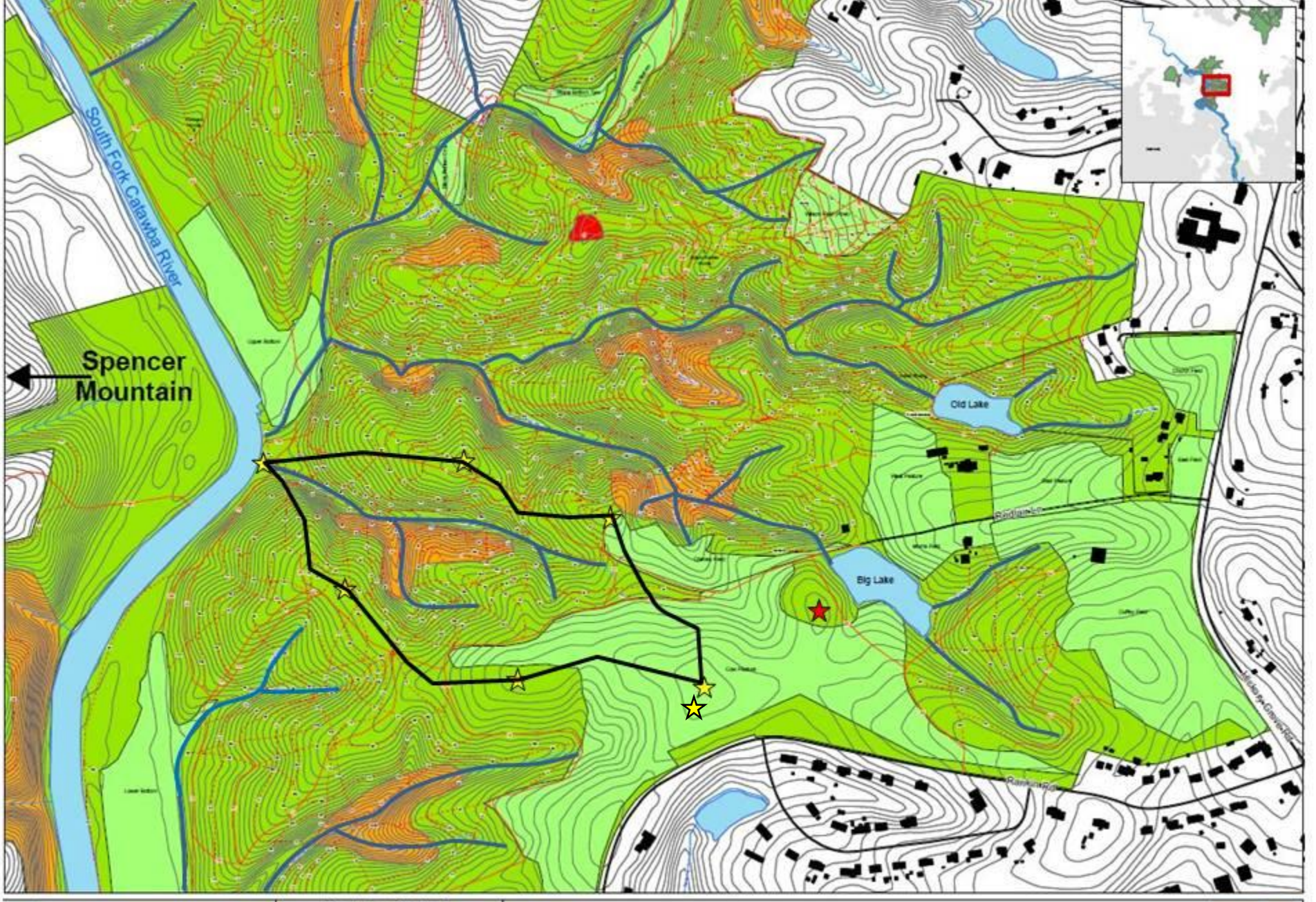

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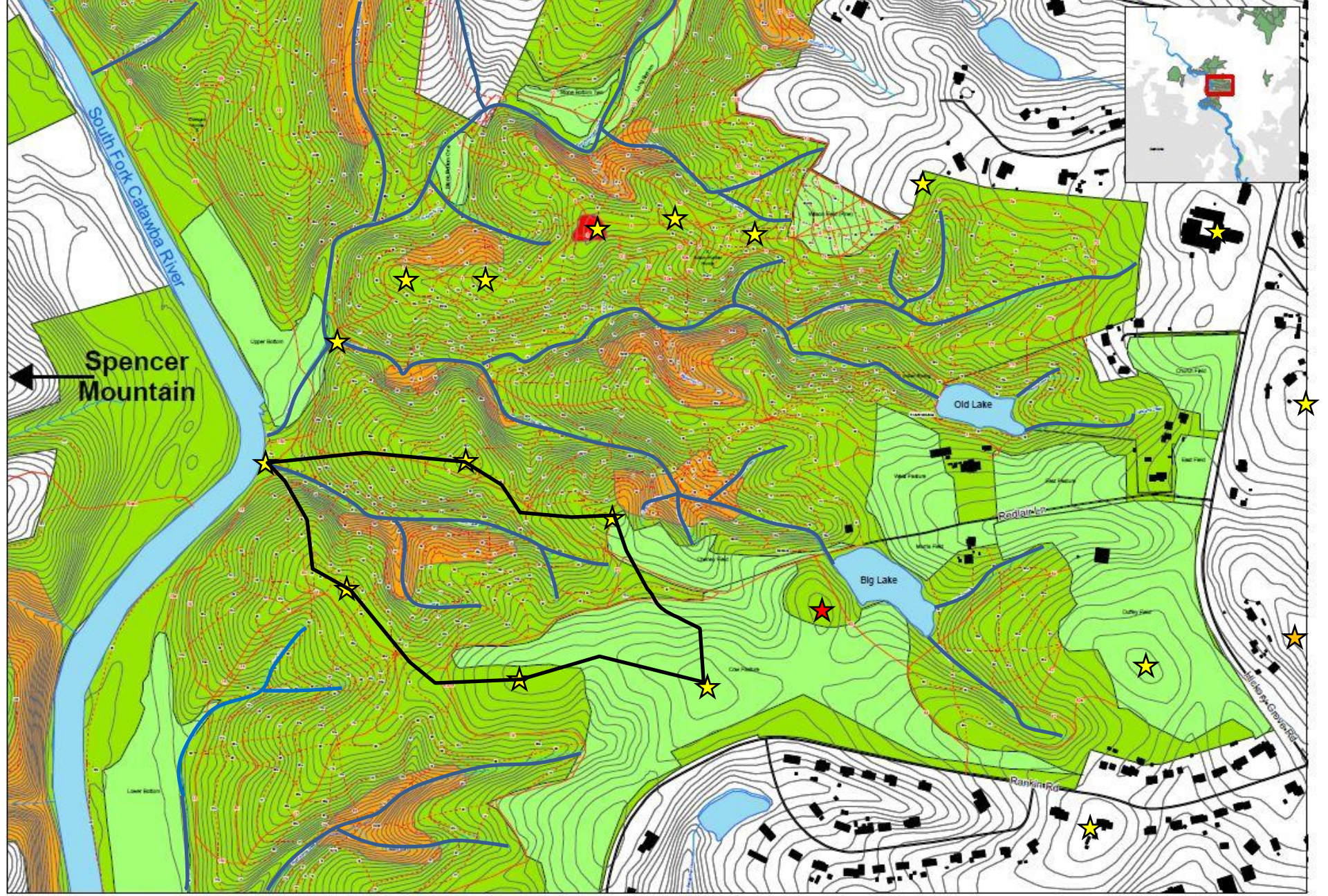
Redlair



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Redlair - Central
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DATE: February 2013

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Buildings selection
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Schweinitz's Sunflower

Redlair Fields
Forests

SCALE IN FEET
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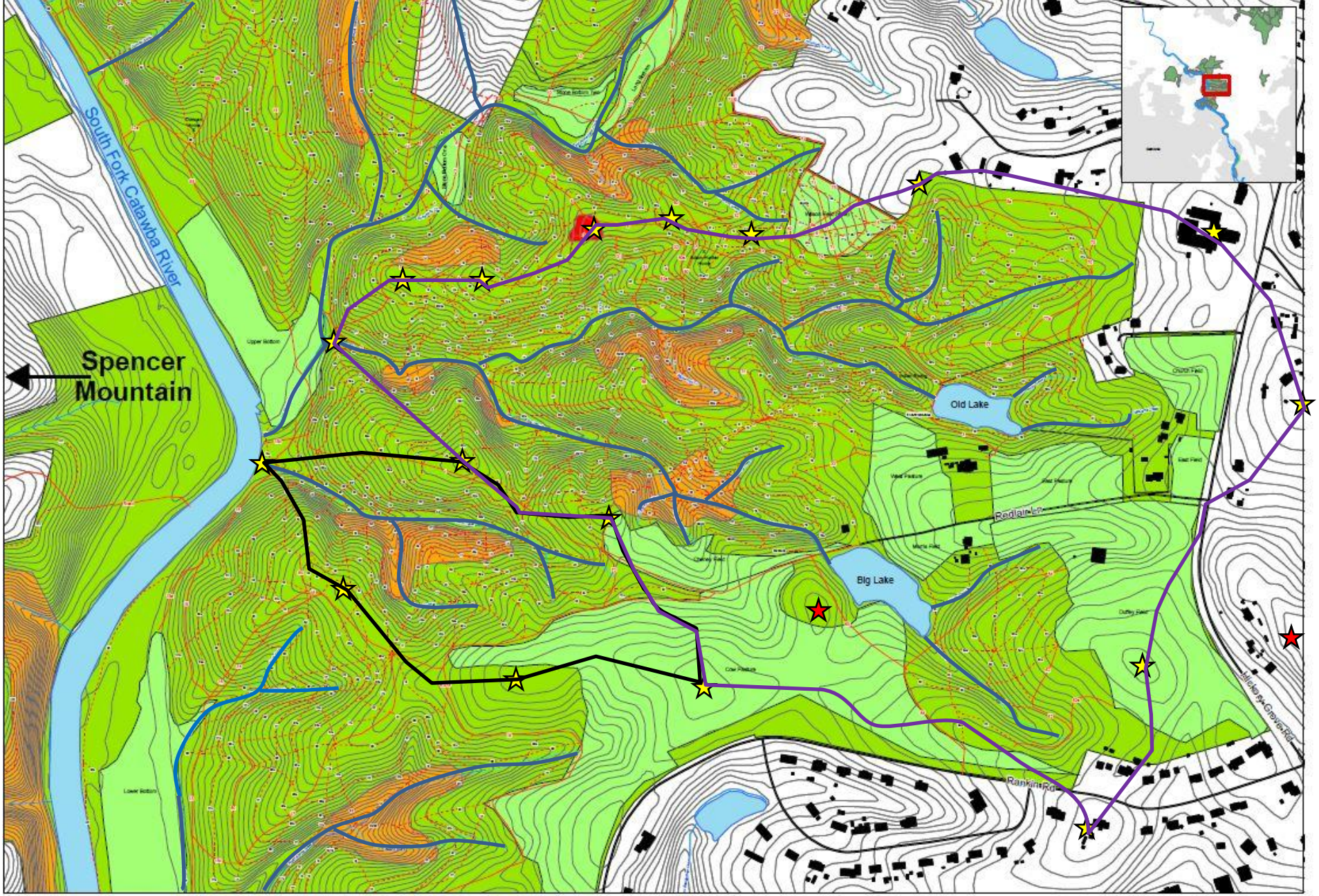
Redlair



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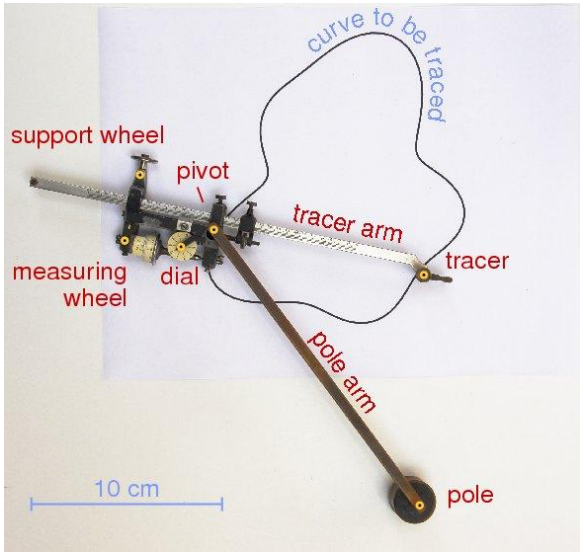
Redlair

“Delineating” a watershed

- Now usually done in GIS, can be done on topo maps
- Allows us to **calculate area**
  - Algorithms in GIS
  - Planimeter
  - Cut and weigh
  - Count graph paper boxes

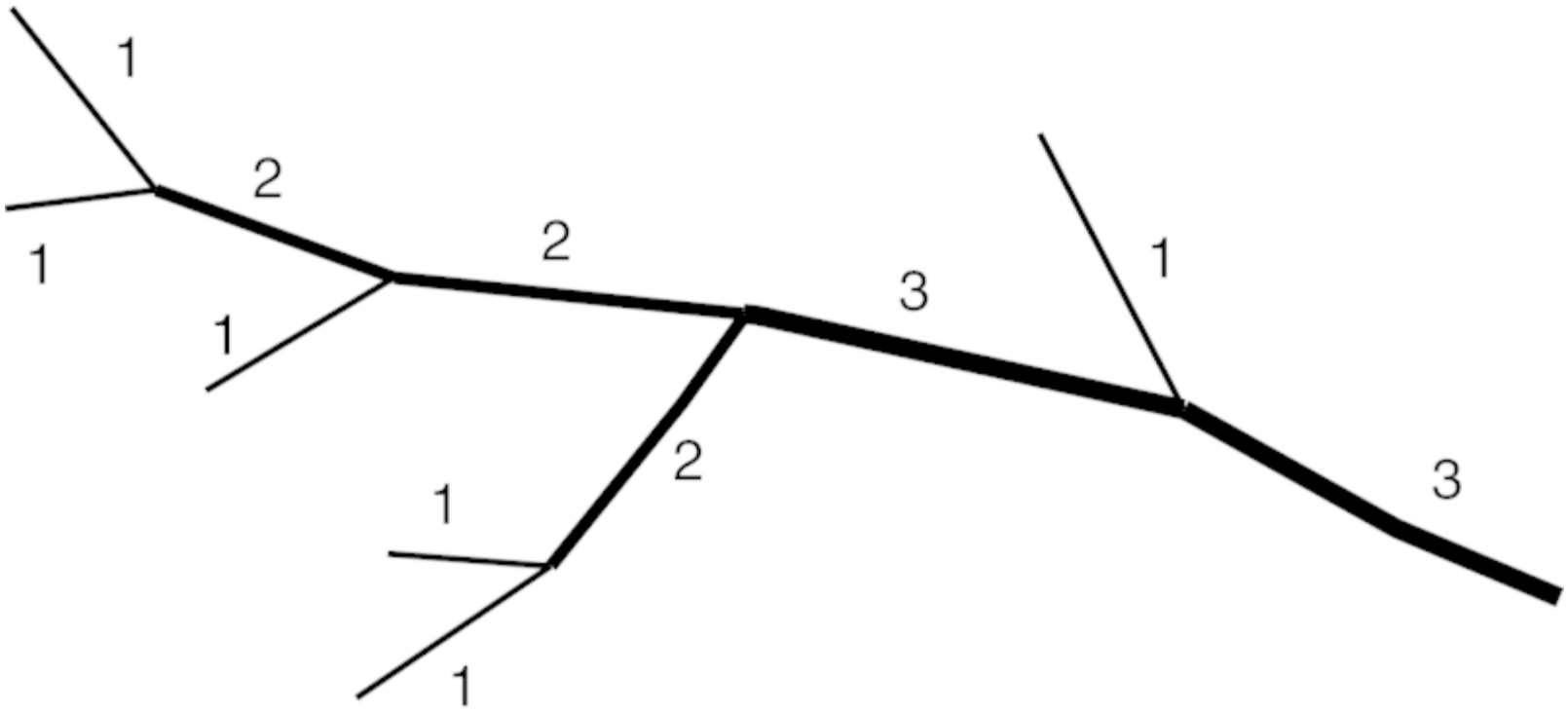


Why do it?

- Can **calculate land use & other attributes**
- Can assess **environmental risks** or **manage** as whole
- Unit for **water budget**

Image from: http://www.ams.org/samplings/feature-column/fcarc-surveying-two

Stream Order



Images from: http://www.mostreamteam.org/activity_guide/watershed/missouri_riverBasins_watersheds.htm