

ORNL Watershed/Riparian Treatments

- Invasive plants included autumn olive, privet, thorny olive, winter creeper, Johnson grass, mimosa, princess tree, and porcelain berry.
- Treatments began in 2003 using a variety of techniques.



Photos by Harry Quarles, Mike Ryon, and Elizabeth Wright

ORNL Watershed/Riparian Treatments



High seed
production
and flowing
water
increase
distribution
of invasives



ORNL Watershed/Riparian Treatments:

Pre-treatment conditions



ORNL Watershed/Riparian Treatment: Techniques



Backpack sprayer



Cut-surface treatments



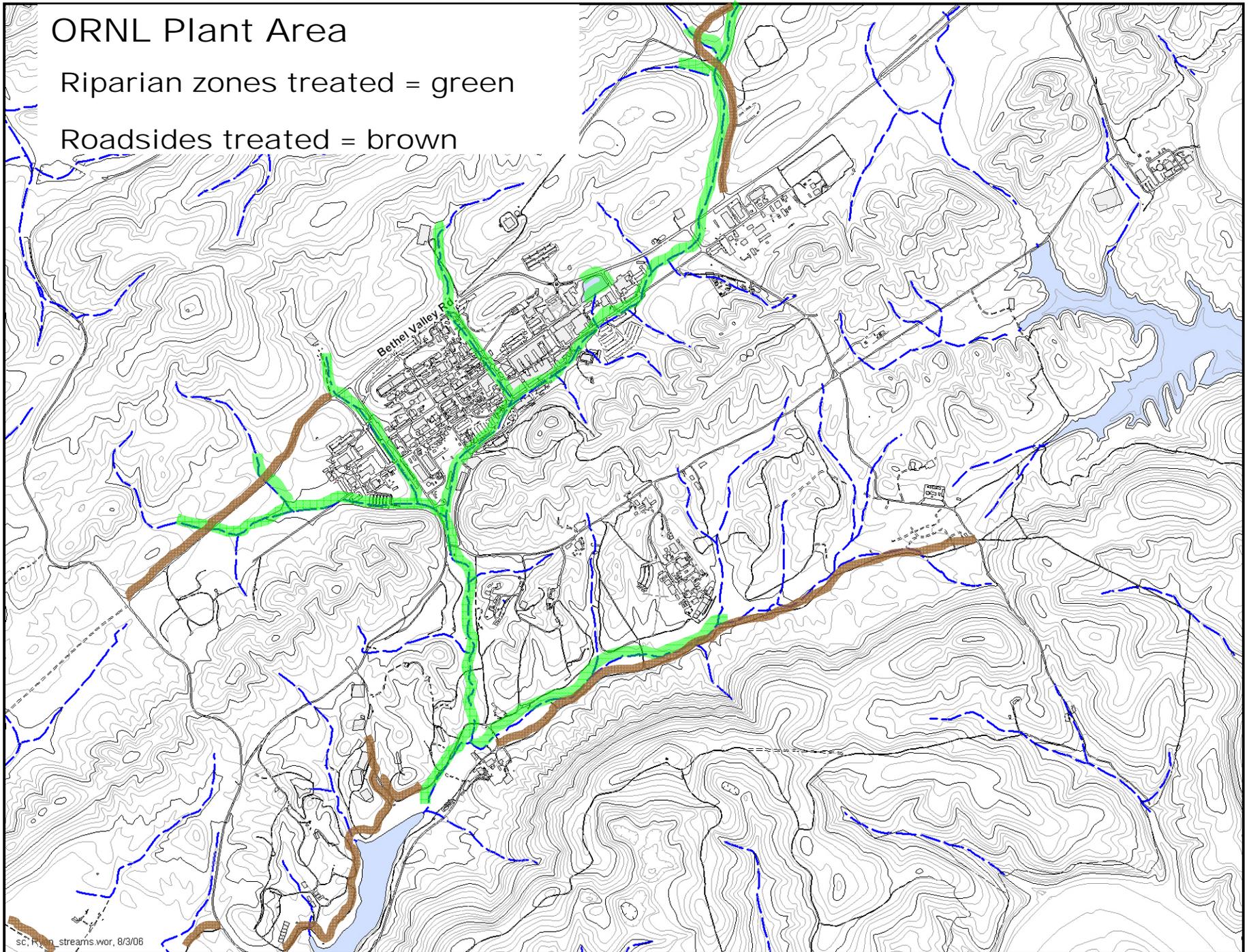
Truck
tank
sprayer



ORNL Plant Area

Riparian zones treated = green

Roadsides treated = brown



ORNL Watershed/Riparian Treatments: 2006

- **Spray applied = 1,160 gallons**
- **Stream bank miles treated = 13.6**
- **Roadside miles treated = 15.9**
- **Person hours = 1000**
- **Participating staff = 7**

ORNL Watershed/Riparian Treatments:

Post-treatment results

