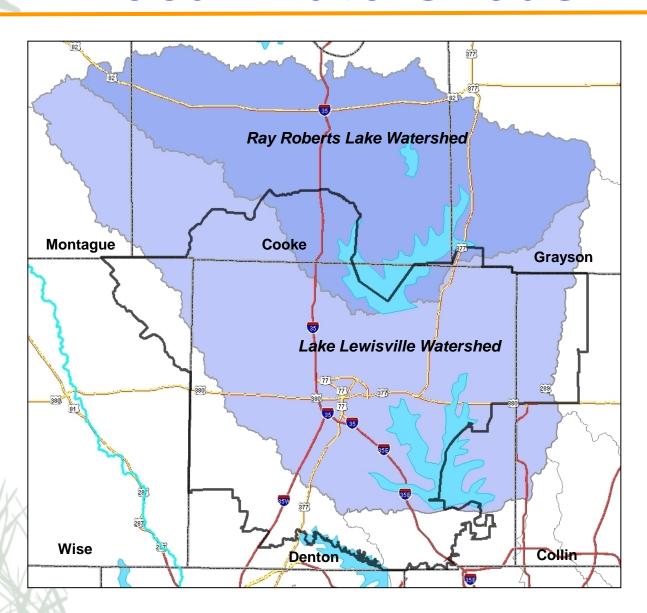
Coordinated Watershed Protection Programs for North Texas Water Supplies

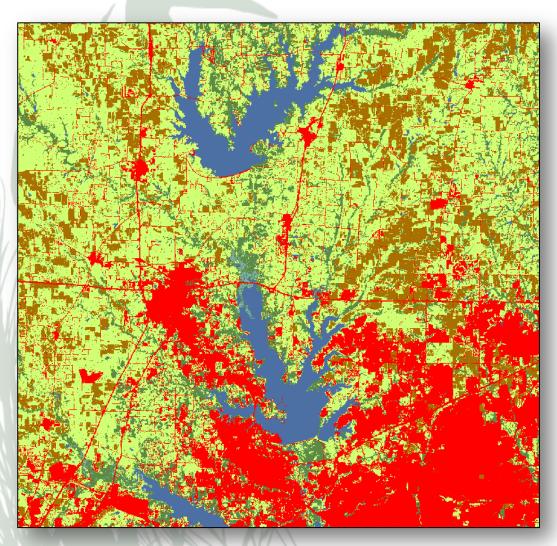
Blake Alldredge
Upper Trinity Regional Water District

Urban Riparian Symposium February 12, 2015

Local Watersheds



Population Growth

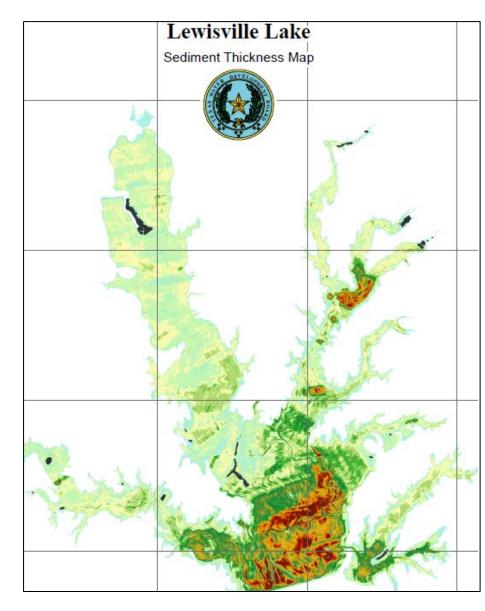


- Expected population of 1.35 million in 2040
- Lewisville watershed urbanization increasing
 - 11% in 2000, 19% in 2030
- Watershed Protection= Water Security



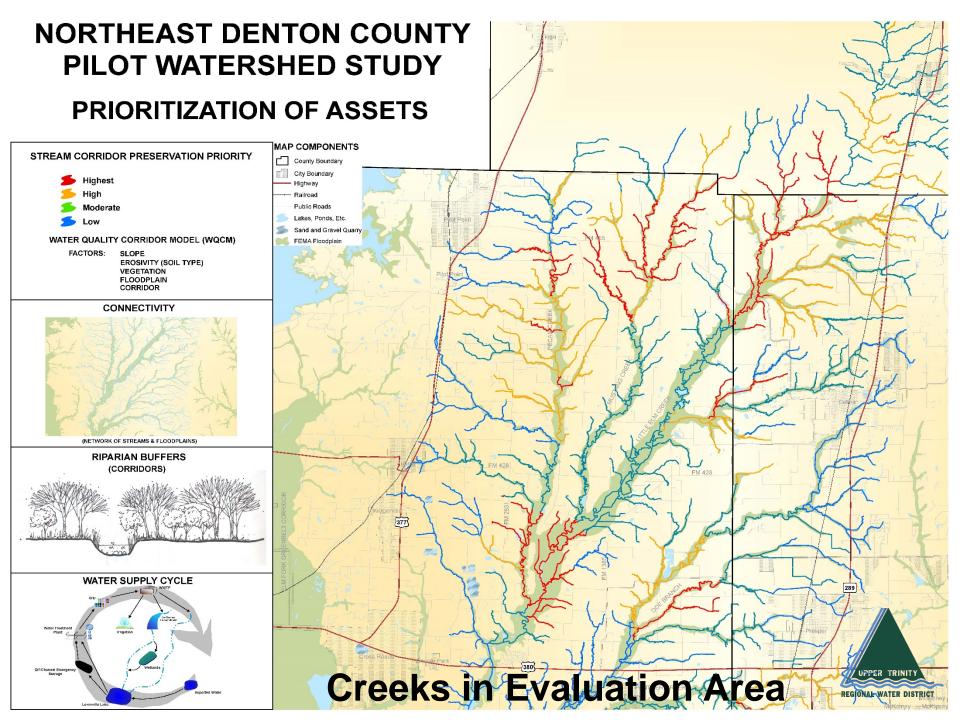
Reservoir Capacity

- 28,600 acre-feet of sediment deposited per year
- 9% from creek banks
- Roots bind soil making it 20,000 times stronger!



Source: TWDB 2007 Sedimentation Survey



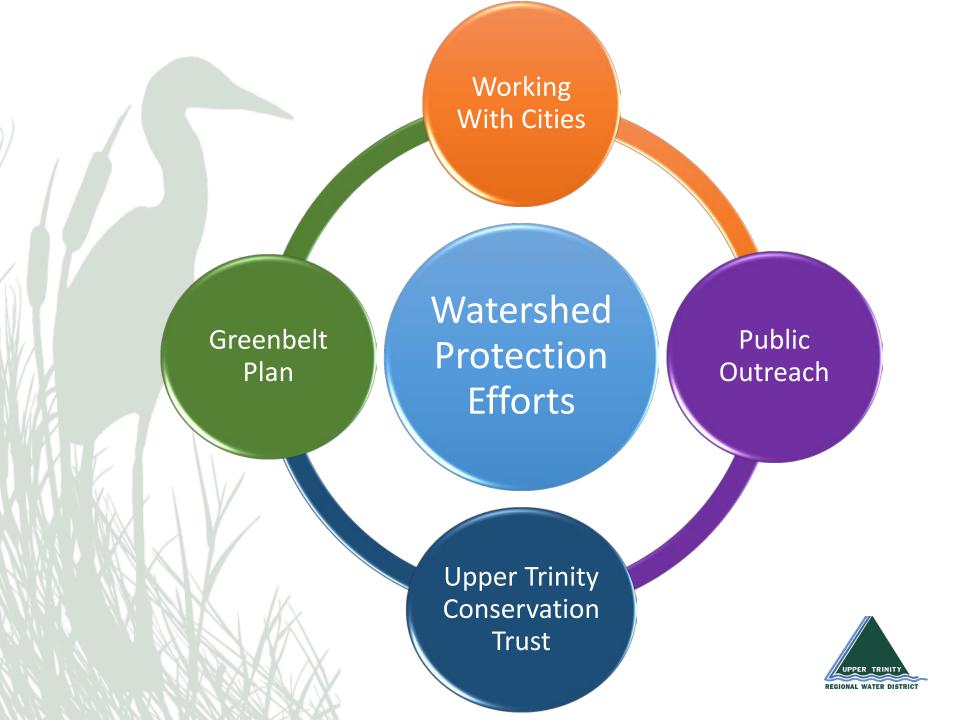


Benefits of Greenbelts

- Important for
 - Water quality and quantity
 - Human health and well-being
 - ➤ Property values





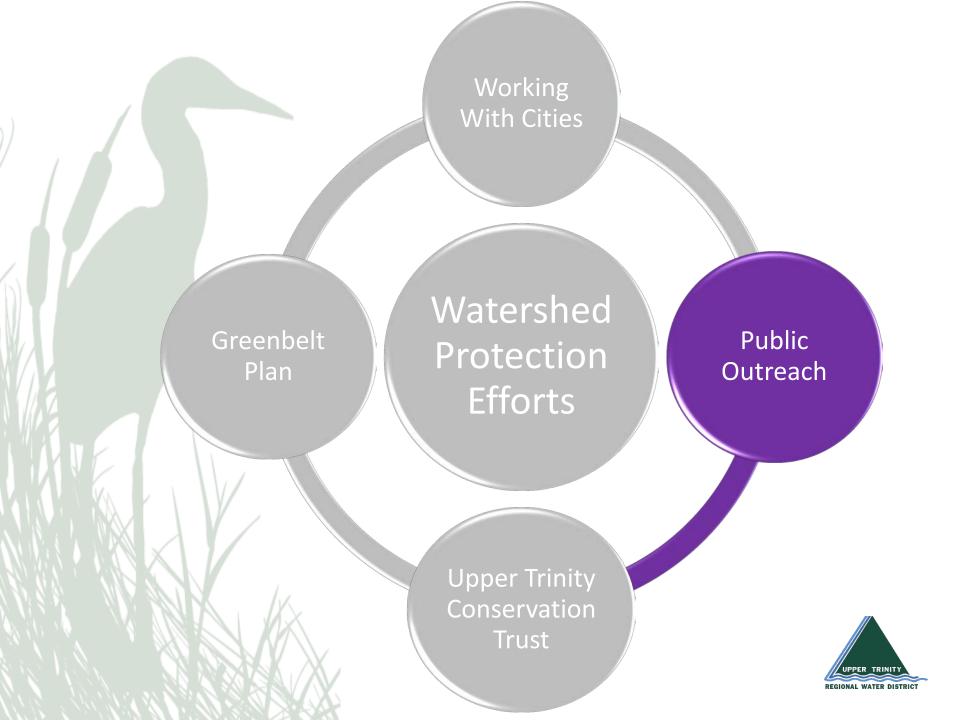


Steps That Cities Can Take

- Protect greenbelts
- Limit development in the flood plain
- Control erosion from construction sites
- MS4 Stormwater permits





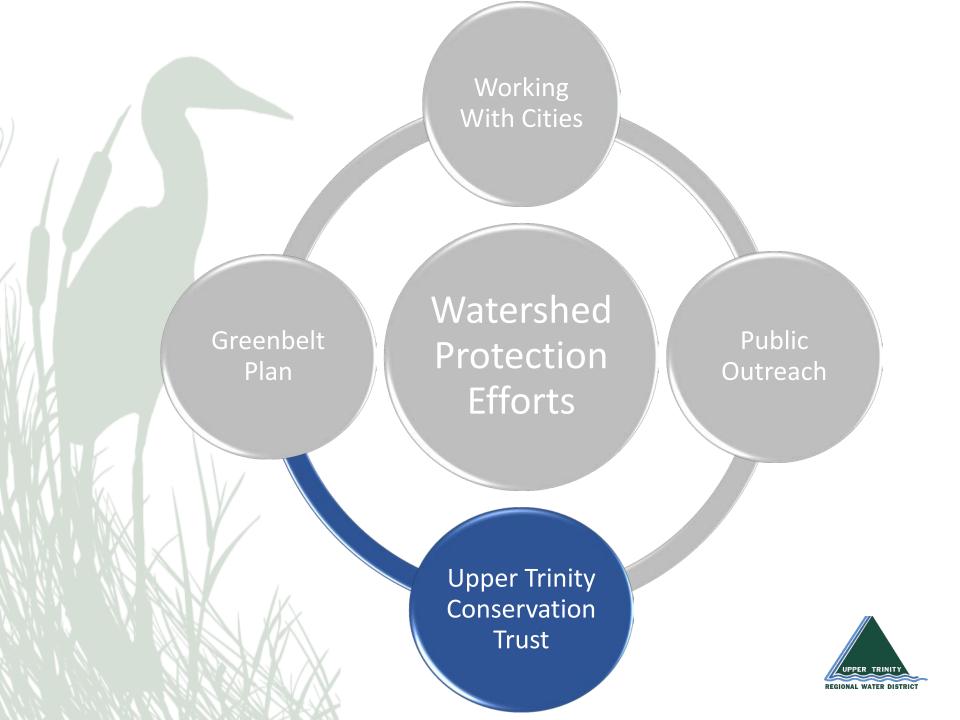


Public Outreach and Education

- Watershed signs
- Water-Wise Garden and Treatment Plant Tours
- School outreach
- Workshops / Symposiums
- New efforts







Upper Trinity Conservation Trust

- 501 (C)(3) non-profit
- Preserving riparian areas
- Focuses on Lakes
 Lewisville, Ray
 Roberts and Grapevine
 watersheds
- Conservation easements

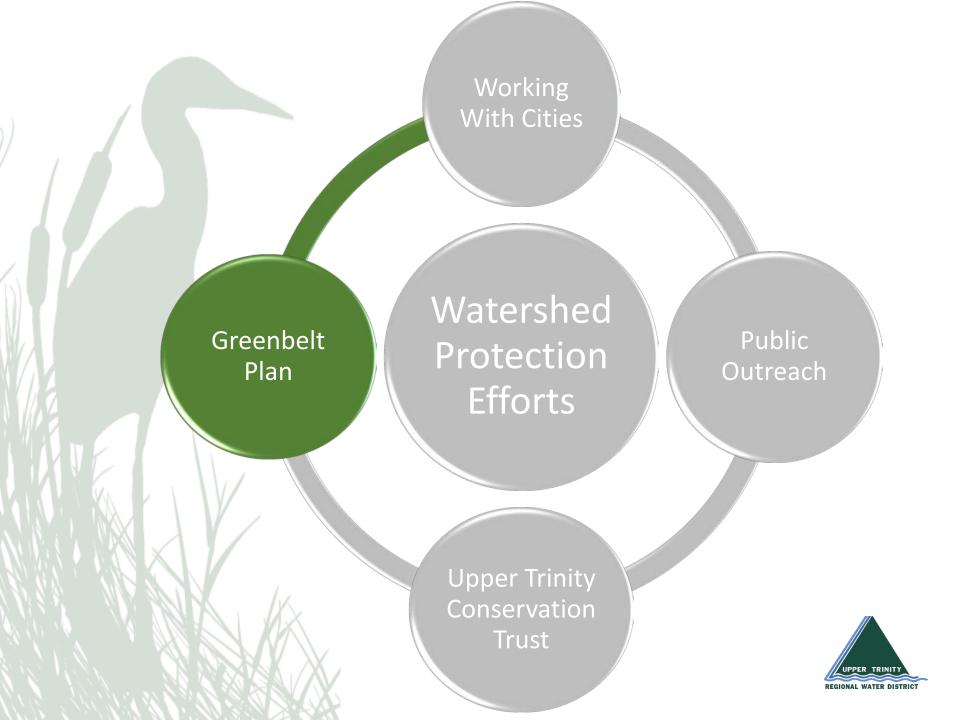




Conservation Easements

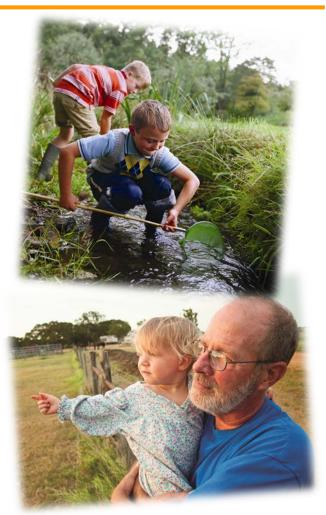
- Protects natural, riparian areas on the land
- Allows a property owner to continue to own
 & use the land
- Limits development rights to extent specified
- Runs with the land in perpetuity
- Tax benefits





Denton County Greenbelt Plan

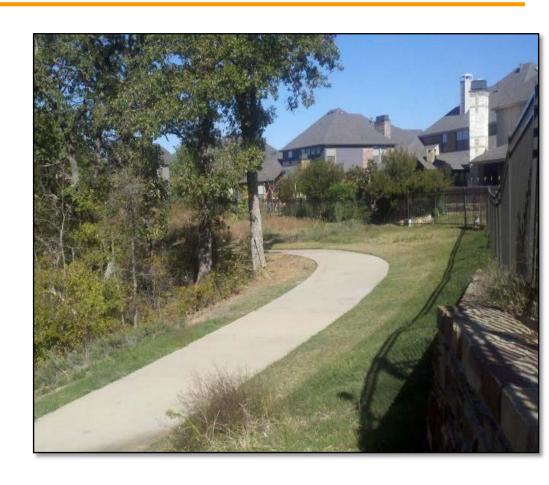
- Greenbelt preservation
- Voluntary planning document
- Coordination among communities
- Recreational amenity
- Quality of life





Key Elements

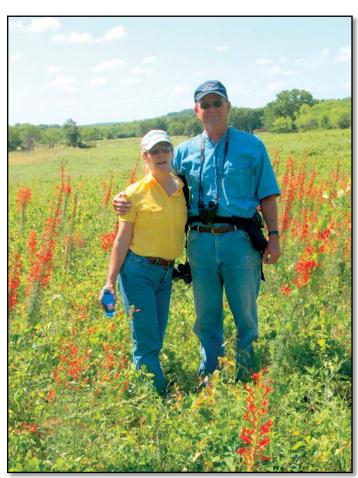
- Identify critical needs
- Stakeholder involvement
- Graphics/ brochures
- Implementation





Stakeholder Collaboration

- Cities
- County
- Utilities
- Developers
- Landowners
- Residents





If we do this job well......





