

University of Arkansas System

Implementing Watershed Management Plans through Extension Education

Katie Teague

County Extension Agent - Agriculture/Water Quality

Management Plan Emphases

Awareness/Education Need	Beaver Lake Watershed	Illinois River Watershed
Watersheds & Local Water Resources	✓	✓
NPS Sources & Pathways	√	✓
Urban Runoff Management	√	✓
Nutrient Management	√	✓
Riparian Preservation & Establishment	√	✓
Construction Sediment/Erosion Control	✓	✓
Unpaved Road Maintenance	✓	✓

Watersheds, Local Water Resources



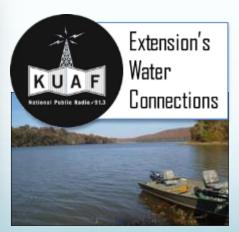










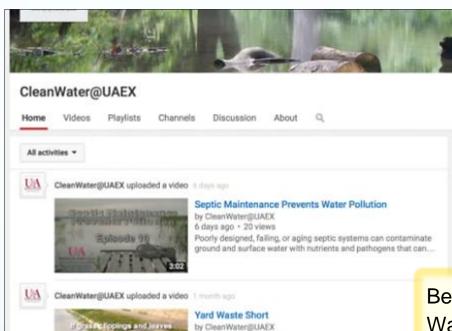


August 21, 2015 - Interview with Tim Nyander and Billy Ammons about Lake Sequoyah serves and the sustainable dredging project to remove sediment bound with phosphorus.

NPS Sources & Pathways









/CleanWater@UAEX

😉 /@CleanWaterNWA

🔢 /uaex.edu

MWAStormwaterEd www.uaex.edu/Washington

Best Management Practices
Watershed Stakeholders/Partnerships
HHW & Homemade Cleaners
Pet Waste Management
Lawn Watering
Riparian Buffers, Functions, Values
Prevent Litter to Protect Water Quality
Solid Waste Management
Fats, Oils & Grease Management
Auto Maintenance





"Greening Your Life" Online Course









After what I've learned here, it is easy to see how one could over-fertilize. I will definitely soil test in the future and apply what I have learned here!"

"I will build and install rain barrels, pay closer attention to correct chemical applications."





"I have four dogs so the pooper scooper session was very eye opening."

































Archer Learning Center and Springdale Senior Center finished painting a collaborative project with @learnspringdale at park and meadow by the park. Stop by to see the amazing work of these eclectic group of artists! @springdaleschools #drainstocreek #upstreamart #cleanwaternwa







Urban Runoff Management





LID workshops: Landscaping and Engineering for Stormwater Management

- Soil characteristics
- Bioswales and bioretention
- Rainwater harvesting

- Permeable pavement
- Porous pavers
- Incorporating native plants

5 Workshops 239 Participants















Home Runoff Management













UA STREET & TELEVISION

Agriculture and Natural Resources

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Rain Gardens and Stormwater

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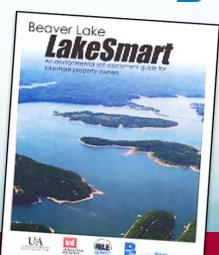
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What is a rain garden?

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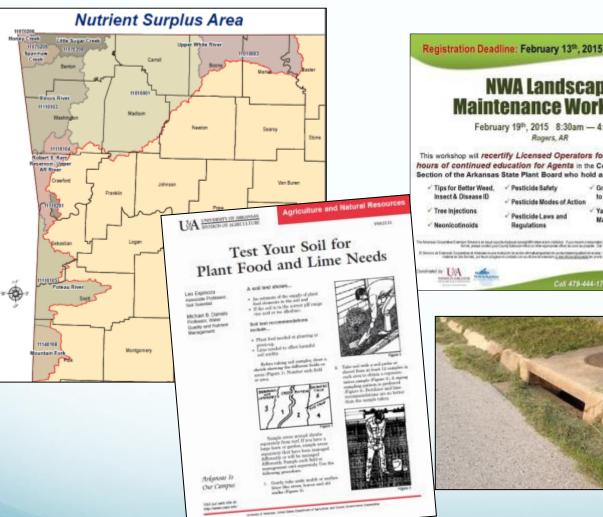
Nutrient Management



Only







NWA Landscape Maintenance Workshop

> February 19th, 2015 8:30am - 4:15pm Rogers, AR

This workshop will recertify Licensed Operators for 3 years and fulfill 6 hours of continued education for Agents in the Commercial Pest Control Section of the Arkansas State Plant Board who hold an ornamental category.

- Tips for Better Weed, Insect & Disease ID Tree Injections
- √ Green Options: Responding. to Client Questions
- ✓ Pesticide Laws and Regulations
- Yard and Grounds Debris
- Management







Preserve & Establish Riparian Buffers





NWArkansas



















Construction Sediment NWArkansas & Erosion Control









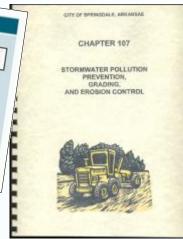




















Unpaved Road Maintenance

















Challenges / Lessons Learned

 Documenting voluntary BMP implementation without being intrusive

Greening Your Life course, site visits, engagement events

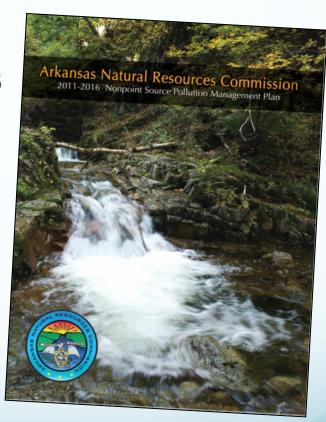
- Linking behavior changes to water quality improvements
 Time lag, links to efforts
- Balanced messages
 Promoting successes
 Emphasizing issues/needs
- Resources



- Elected Official Support City Councils, Quorum Courts, Planning Commissions
- Enforcement of existing codes and regulations

What it Takes...

- ✓ Partnerships and collaborations
- ✓ Relationships with organizations (vs. individuals)
- ✓ Local input and engagement
- ✓ Feedback and accountability
- ✓ Adaptive management
- ✓ Full-time dedication ...w/pay?



Questions?

