Educating the Public on Stream Processes and Health: The Texas A&M AgriLife Stream Processes Workshop Program

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Texas A&M AgriLife Research
Why Educate the Public?

- Impact of Stream Erosion on Water Supplies
- Impact of Stream Erosion on Water Quality
- Awareness of degraded segments with communities
- Voters and Decision makers
Workshop Program

- One Day 5-6 hour program
- Classroom portion
- Emphasis on “Hands-on, Boots-in” experience
- Held at or near location of degraded segment
- Target audience: city stormwater teams, city parks & rec crews, engineers, elected leaders, interested public.
Goals for Attendees

- Understand Urban Stream Functions
- Impact of Development on Urban Streams
- Recognition of healthy and degraded stream systems
- How to assess and classify a stream (Rosgen)
- Natural versus “traditional” restoration
Agenda

8:30am- 9:00am    Jason Pierce, Upper Trinity Regional Water District
Protecting Water Quality by Preserving Riparian Corridors

9:00am- 11:00am    Dr. Fouad Jaber, Texas AgriLife Extension
Stream Processes
Classification of Streams
Stream Restoration

11:00am- 11:45am    Deborah Viera, City of Denton
Watersheds and Environmentally Sensitive Areas

11:45am-12:15pm    Dr. Fouad Jaber
Preparation for Field Analysis

12:15pm-12:45pm    Lunch (provided)

12:45pm-1:15pm    AgriLife Team
Stream Trailer Presentation

1:15pm- 3:00pm (30 Minute Sessions)    Dr. Fouad Jaber
Field Analysis (bring your boots or waders)
Stream Inspection
Stream Surveying
Stream Substrate Analysis

3:00pm – 3:30pm    Dr. Fouad Jaber
Data Analysis and Wrap Up
Impact of Experience

- New audience reached—67% of participants were attending their first Extension educational program
- Highly recommended—99% said they would advise others to participate
- Knowledge gained—75% said that they increased their knowledge of natural stream restoration
- Plans to implement—73% planned to implement information
Workshops to Date

- Fort Worth (x3)
- Arlington (x2)
- Dallas (x2)
- Frisco
- McKinney
- Lewisville
- Waco
Advanced Stream Processes and Restoration Workshop

Topics Include:
• Stream Processes and Evolution
• Impacts of Urbanization
• Hands on Stream Surveying
• Bioassessment
• Case Studies in Stream Restoration
• Permitting and Legal Issues

For More Information and to Register, Please contact:
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