

#### Texas Watershed Steward Program

- A community-based water resource educational training to enhance stakeholder involvement in watershed protection plan initiatives.
- Partnership between Texas Cooperative Extension (TCE) and Texas State Soil and Water Conservation Board (TSSWCB).
- Funding to implement program statewide received through a CWA 319(h) grant through TSSWCB from the Environmental Protection Agency (EPA) – began Sept 1.

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# TWS Program Goals

- 1. Enhance stakeholder involvement in the WPP/TMDL development processes.
- 2. Increase citizen awareness, understanding, and knowledge of the nature and function of watersheds, potential impairments, and watershed protection strategies.
- 3. Empower individuals to take leadership roles involving community water issues.

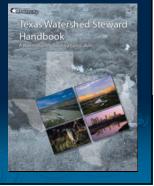


# TWS Program Curriculum

- 5 chapters
- Covers the basics
- Written in non-technical language
  - Reviewed by:
  - WCSC
  - Extension faculty/staff
  - Professional editor with Agricultural Communications at Texas A&M
  - CSREES program partners

### TWS Curriculum Handbook

- ♦ 140 pages
- Provided to each participant to supplement training program
- Will be available through TCE bookstore and TWS website



#### Chapter 1: Program Introduction

- About the Texas Watershed Steward Program
- Who are Texas Watershed Stewards?
- The Importance of Watershed Stewardship
- ♦ Texas Water Facts





# Chapter 2: Overview of Watershed Systems

- What is a Watershed?
- Watersheds in Texas
- How do Texans Use Watersheds?
- Principles of Watershed Hydrology
- Natural Watershed Functions
- Natural Watershed Features



### Chapter 3: Overview of Watershed Impairments

- Water Quantity and Quality
- Point and Nonpoint Sources of Pollution
- Consequences of Impaired Water Quality
- How Land Use Affects Water Quantity and Quality
- Water Quality Law and Policy in Texas
- Water Quality Testing, Monitoring and Regulation



### Chapter 4: Managing to Improve Watershed Function

- Using a Watershed Approach
- Water Quality Improvement Projects (WPPs, TMDLs)
- ♦ Best Management Practices
- Water Quality Stewardship on
  Small Acreages
- Protecting Water Quality Around the Home



### Chapter 5: Community-Driven Watershed Protection and Management

- Importance of Local Watershed Involvement
- Forming and Sustaining Community Watershed Organizations and Partnerships



# Appendices

- 1. Water on the Web
  - Lists important web sites by topic (BMPs, funding, watersheds, water quality, etc.)
- Community Activities
  - Lists potential activities that TX Watershed Stewards can do in their watershed (stream cleanup, stakeholder survey, storm drain stenciling, etc.)
- 3. Water Agencies and Organizations
  - Lists important federal, state, University, and other entities responsible for water management in TX

### **TWS Trainings**

- 1-day training
  - Trying to reach a broader audience
  - No "master" requirements
- PowerPoint and other interactive activities/displays:
  - Google Earth
  - Rainfall simulator
  - Stations: WQ impairments, WQ monitoring equipment, watershed management scenarios, etc.

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- ♦ FREE (for now)
  - Will eventually look into fee-based option

# TWS Training Locations

- Trainings located in various watersheds throughout Texas
- Will begin in the Plum Creek Watershed in Oct/Nov.
- Other watersheds selected with help of WCSC, TSSWCB, TCEQ, and other requests from project partners.
  - Priority given to those in early stages of WPP/TMDL development and those planning future efforts



# Computer-Based TWS Training

- Web and CD-ROM training tools
- For interested citizens unable to commit to full-day TWS training
- Will parallel watershed-based trainings



# Educational Credits

- Approved to provide participants:
  - 7 CCA CEUs (soil & water)
  - 3 TDA CEUs (general)
  - 7 CPEs (for certified teachers in science)
  - Available for watershedbased and computer-based training.



### Promotional Items

- Participants will receive:
- Curriculum handbook
- Certificate of completion
- T-shirt
- Water bottle
- Magnet
- Bumper sticker
- Pen
- Pencil



# Program Marketing

- Multi-faceted approach:
  - Brochure
  - Fact sheet
  - Post cards (for direct mail)
  - Project poster
  - Promotional items
  - Banner
  - News releases
    - MG/MN newsletters, email listser
    - CEA newspaper columns/newslet
    - Texas Coop Magazine
    - The Education Account of
    - Texas Education Agency course catalog



# Program Evaluation

- 2-phase evaluation approach:
  - 1. Pre-test/Post-test
  - 2. Delayed post-test
- Will evaluate:
  - Knowledge gained
  - Satisfaction with prop
  - "Intentions to change"



#### TEXAS WATERSHED STEWARD PROGRAM

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