

**Texas AgriLife Extension Service
Texas Water Resources Institute**

**Texas Watershed Planning Short Course Project
EPA Clean Water Act §319(h) Grant
TCEQ Agreement No. 582-7-77049**

Quarter no. 12 From 12/1/09 Through 2/28/10

I. Abstract

This quarter, a Watershed Coordinator Roundtable and *Getting in Step* course were held on January 27-28, respectively, at the Williamson County Extension Center in Georgetown. The next Watershed Coordinator Roundtable will be held on July 27 in Dallas. A *Key EPA Internet Tools* course will be held on July 26 in Dallas in conjunction with the Roundtable. Work continued on preparing for and marketing the fourth offering of the *Texas Watershed Planning Short Course*. Minor adjustments to the agenda are being made as a result of the inability of several previous speakers to participate. Registration for the fourth course is open as well and to date, 12 water resource professionals are currently registered. Work continues on inputting Texas data into the Directory of Watershed Resources. Next quarter, the Directory will be finalized along with preparations for the fourth Watershed Planning Short Course scheduled for May 10-14 in Bandera. Preparations for the next Watershed Coordinator Roundtable will continue as well.

II. Overall Progress and Results by Objective and Task

OBJECTIVE 1: PROJECT COORDINATION AND ADMINISTRATION

Task 1.1: Team Organization – TWRI will assemble a Project Team made up of university, TCEQ, TSSWCB, EPA, Texas AgriLife Extension, TiAER and RSI personnel, along with EPA-trained watershed coordinators, to guide the development and delivery of the Texas WPSC to water resource professionals throughout Texas. This Project Team will meet approximately quarterly to discuss project status, provide input, and coordinate project activities. These meetings will consist of face-to-face meetings, teleconferences, and TTVN meetings as appropriate.

The following actions have been completed during this reporting period:

- a. On December 4, 2009 and January 26, 2010, TWRI and Texas AgriLife Extension Service personnel met to discuss the Watershed Coordinator Roundtable.
- b. On February 16, TWRI and Texas AgriLife Extension Service personnel met to discuss changes needed for the May 2010 Watershed Planning Short Course agenda as a result of several previous speakers not being able to participate.

85% Complete

Task 1.2: Project Coordination – TWRI will coordinate the project with other ongoing watershed efforts including, but not limited to the USDA CSREES Southern Regional Water Program, TSSWCB Regional Watershed Coordination Steering Committee, Texas Watershed Steward Program, and TCEQ TMDL Program.

The following actions have been completed during this reporting period:

- a. Texas AgriLife Extension Service is a member of the planning team and has been subcontracted to assist with the Short Course, ensuring coordination with the Watershed Stewardship Program and Southern Region Water Quality Coordination Project.
- b. TSSWCB is a member of the planning committee and has participated in all planning team meetings. AgriLife Extension and TWRI regularly participate in the TSSWCB Wharton Regional Office Watershed Coordination Project, further ensuring coordination.
- c. TCEQ TMDL Program personnel are members of the planning team and participate in planning meetings when possible.

85% Complete

Task 1.3: Quarterly Progress Reports – TWRI will prepare electronic quarterly progress reports (QPRs) for submission to the TCEQ, TSSWCB, EPA, and all members of the Project Team. QPRs will be submitted by the 15th of the month following each state fiscal quarter for incorporation into EPA's Grant Reporting and Tracking System (GRTS). The QPRs are to include (1) Status of deliverables for each objective and (2) Narrative description in Progress Report format.

The following actions have been completed during this reporting period:

- a. TWRI submitted Progress Report #11 on December 15, 2009.

85% Complete

Task 1.4: Project Oversight – TWRI Project Manager will provide technical and fiscal oversight to ensure Tasks and Deliverables are acceptable and completed as scheduled and within budget. With TCEQ Project Lead authorization, TWRI may secure the services of contractors as necessary. Project oversight status will be provided with the QPRs. In addition, TWRI will attend meetings with project manager and other meetings, as needed, to review project status, deliverables, etc.

The following actions have been completed during this reporting period:

- a. Subcontracts were initiated with the Texas Institute for Applied Environmental Research (TIAER) at Tarleton State, Tetra Tech, the Environmental Finance Center (EFC) at Boise State University, and the River Systems Institute (RSI) at Texas State to develop a Directory of Watershed Resources for Texas and assist with delivery of the Short Course and other training to watershed coordinators in the State. As of 12/31/09, the following expenditures had been reported:
 - TIAER = \$4,262 (91%)
 - Tetra Tech = \$9,393 (32%)

- EFC = \$8,047 (55%)
 - RSI = \$5,590 (33%)
- b. Subaccounts were initiated with Texas AgriLife Research (Biological and Agricultural Engineering Department) and Texas AgriLife Extension Service (Soil and Crop Sciences Department) to secure assistance with development and delivery of the Short Course. As of 12/31/09, the following expenditures had been reported:
- Texas AgriLife Research = \$13,939 (71.5%)
 - Texas AgriLife Extension Service = \$23,890 (85%)

85% Complete

Task 1.5: Reimbursement Forms – TWRI will submit appropriate Reimbursement Forms (2 copies), purchase vouchers (269a, and 269a 1-4) and Small and/or Minority Owned Business Report (where applicable) by the last day of the month following each state fiscal quarter.

The following actions have been completed during this reporting period:

- a. The total federal funds expended as of November 30, 2009 were \$151,770.

80% Complete

Task 1.6: Contractor Evaluation – TWRI will participate in Contractor Evaluation.

The following actions have been completed during this reporting period:

- a. Contractor Performance Evaluation Reports for year 3 was completed on September 17, 2009.

75% Complete

OBJECTIVE 2: DEVELOP TRAINING MATERIALS AND EDUCATIONAL PROGRAM FOR WATERSHED PLANNING SHORT COURSE

Task 2.1: Compile and Summarize Existing Programs – TWRI will collect and compile information about existing training programs.

The following actions have been completed during this reporting period:

- a. Information on existing programs was compiled and discussed with the planning team during the first and second quarters. No further work is planned.

100% Complete

Task 2.2: Develop Training Program – As directed by the TCEQ and Project Team, TWRI will modify existing training programs, such as the EPA Watershed Training Materials and those found as a result of subtask 2.1, to fit the needs of Texas water resource professionals.

The following actions have been completed during this reporting period:

- a. On February 16, TWRI and Texas AgriLife Extension Service personnel met to discuss minor changes needed for the May 2010 Watershed Planning Short Course

agenda as a result of several previous speakers not being able to participate. All slots have been filled with the exception of one. The DRAFT Final agenda is attached (Appendix A).

100% Complete

Task 2.3: Facilitate Updating of Directory of Watershed Resources for Texas – TWRI will coordinate with the Environmental Finance Center at Boise State University in year 4 of the project to update the Directory of Watershed Resources with data for Texas-specific funding programs. The Directory of Watershed Resources is an on-line, searchable database for watershed restoration funding. The database includes information on federal, state, private, and other funding sources and assistance. This will allow Texas users to query information in a variety of ways including agency sponsor, keyword, or by a detailed search.

The following actions have been completed during this reporting period:

- a. Currently, there are 54 programs that have been entered into the Environmental Finance Center's Directory of Watershed Resources (Appendix B). The implementation of the programs will continue.
- b. Work has begun on the design and implementation of the following promotional documents: a flyer to be distributed at the Texas Watershed Planning Short Course Workshop in May; an electronic postcard distributed to watershed coordinators in Texas; and promotion in the EFC's monthly newsletter in March, April and May.

58% Complete

Task 2.4: Watershed Training Webpage – TWRI will develop (Months 1-3), host, and maintain (Months 3-48) an internet Web site for information sharing and use by WPSC participants.

The following actions have been completed during this reporting period:

- a. TWRI developed the Website (<http://watershedplanning.tamu.edu/>) in May 2007 for information sharing and use by short course participants.
- b. The Website was viewed by 62 unique visitors in December 2009.
- c. The Website was viewed by 92 unique visitors in January 2010.
- d. The Website was viewed by 139 unique visitors in February 2010.
- e. So far in 2010, the Website has been viewed by 231 unique visitors. The Website was viewed by a total of 1,437 unique visitors in 2009 and 1,612 unique visitors in 2008. Including the 180 unique visitors in 2007, a grand total of 3,460 unique visitors have viewed the Website.

85% Complete

OBJECTIVE 3: CONDUCT WATERSHED PLANNING SHORT COURSE AND OTHER WATERSHED TRAINING

Task 3.1: Organize WPSC Events – TWRI will identify key speakers for training, make all arrangements for facilities, advertise the WPSC, conduct registration, and make all travel arrangements for speakers. Travel for speakers will be fully paid for through project funds.

The following actions have been completed during this reporting period:

- a. A Training Course program advertisement, including the Texas Watershed Planning Short Course and Roundtable, was featured in the winter edition of the Texas Civil Engineer magazine.
- b. Courses and Roundtable meetings were listed on Oklahoma State University's Water Quality Programs Web site on January 29.
- c. Work on organizing the fourth *Watershed Planning Short Course*, set for May 10-14, 2010, continued this quarter. Currently, 12 water resource professionals have registered for the course.

75% Complete

Task 3.2: Deliver WPSC – TWRI will facilitate the delivery of four Texas WPSCs to 160 water resource professionals in Texas and the surrounding region. Certificates will be provided to participants upon completion of the course. A registration fee of \$350 will be charged to WPSC participants. As funding and need allow, additional offerings of the WPSC will be considered.

The following actions have been completed during this reporting period:

- a. A total of 129 water professionals have participated in the Texas Watershed Planning Short Courses held June 2-6, 2008 (43), January 12-16, 2009 (41), and August 17-21, 2009 (45).

80% Complete

Task 3.3: Organize One Applied Fluvial Geomorphology Short Course – TWRI will coordinate with Wildland Hydrology to provide Applied Fluvial Geomorphology Short Course to 40 water resource professionals in Texas. A registration fee of \$500 will be charged to short course participants.

The following actions have been completed during this reporting period:

- a. Forty-four participants from TPWD, TCEQ, TXDOT, TFS, Extension, and TWRI participated in the *AFG Short Course* held on January 28-February 1, 2008.

100% Complete

Task 3.4: Organize Three Getting in Step Courses – TWRI will coordinate with Tetra Tech to provide three Getting in Step Courses (in Houston, Austin, Dallas) to assist 90 water resource professionals (30 participants per course) in conducting watershed outreach campaigns. No registration fee will be charged to participants.

The following actions have been completed during this reporting period:

- a. The Lower Colorado River Authority advertised the *Getting In Step* Workshop in their Clean Rivers Program Newsletter on January 5.
- b. The Texas Commission on Environmental Quality advertised the January Texas Watershed Coordinator Roundtable and *Getting In Step* Workshop on their Web site in the section "News from the Texas TMDL Program" on February 19.
- c. *Getting in Step* courses were provided in Houston, Austin, Dallas, and Georgetown on September 22-24, 2009 and January 28, 2010, respectively, training a total of 86

water resource professionals in conducting watershed outreach campaigns. On a scale of 1-5, participants gave the course an average score of 4.2.

100% Complete

Task 3.5: Organize Two Key EPA Internet Tools for Watershed Management Course – TWRI will coordinate with Tetra Tech to provide two Key EPA Internet Tools for Watershed Management Courses to 50 water resource professionals (20-30 per course). This course will provide instruction on using the Internet tools developed by EPA to support development of watershed plans. EPA’s Watershed Central website will be highlighted. No registration fee will be charged to participants.

The following actions have been completed during this reporting period:

- a. The first *Key EPA Internet Tools* course was provided to 22 water resource professionals in conjunction with the Land Water People 2009 Conference in San Marcos on November 19, 2009.
- b. The second training will be held at the Texas AgriLife Research and Extension Urban Solutions Center in Dallas on July 26th in conjunction with the Watershed Coordinator Roundtable Meeting.

44% Complete

Task 3.6: Develop and Administer Questionnaires and Evaluations – TWRI will oversee the development and administration of questionnaires and evaluations to gauge the knowledge gained and how effective the course was for each course participant. Questionnaires will be administered at the beginning and end of selected short courses to demonstrate the course’s effectiveness and to identify areas needing adjustment.

The following actions have been completed during this reporting period:

- a. An evaluation was administered at the *Getting in Step* workshop in Georgetown on January 28. The evaluations have been compiled and are attached (Appendix C).
- b. A questionnaire is being developed for distribution at the next Watershed Coordinator Roundtable to better allow participants to provide input on satisfaction with roundtables, discussion topics needed at future roundtables, and dates for roundtables.

85% Complete

Task 3.7: Facilitate Watershed Coordinator Roundtables – TWRI will coordinate with the TCEQ, TSSWCB and EPA to organize and facilitate semi-annual Watershed Coordinator Roundtables in year 4 of the project. These Roundtables will build upon the fundamental knowledge conveyed through the WPSC and establish a continuing dialogue between watershed coordinators in order to facilitate interactive solutions to common issues being faced by watershed coordinators statewide. Roundtables shall be organized as face-to-face meetings only.

The following actions have been completed during this reporting period:

- a. A Watershed Coordinator Roundtable was held on January 27, 2010. The 78 watershed coordinators and water resource professionals in attendance discussed the EPA Region 6 *Guide for Review of Watershed-Based Plans*, the 4b delisting process,

- tracking and reporting success, strategies and expectations for demonstrating successful implementation, and adaptive management. Presentations, summary notes and photos were posted on Project Web site.
- b. The next Texas Watershed Coordinator Roundtable has been scheduled for July 27 at the Texas AgriLife Research and Extension Urban Solutions Center in Dallas. The primary discussion topic will be financing watershed organizations and watershed plan implementation.
 - c. TWRI is also working to develop a listserv for Watershed Coordinators to assist in the exchange of information.

66% Complete

OBJECTIVE 4: SUBMIT FINAL REPORT

Task 4.1: Draft Report

The following actions have been completed during this reporting period:

- a. No activity.

0% Complete

Task 4.2: Final Report

The following actions have been completed during this reporting period:

- a. No activity.

0% Complete

III. Related Issues/Current Problems and Favorable or Unusual Developments

- N/A

IV. Projected Work for Next Quarter

- Prepare and submit Progress Report for the 12th Quarter of the Project
- Complete work on Directory of Watershed Resources for Texas
- Update Website as materials are developed
- Continue marketing and finalize preparation for the fourth *Texas Watershed Planning Short Course*
- Offer 4th *Texas Watershed Planning Short Course* on May 10-14

Appendix A
Texas Watershed Planning Short Course
DRAFT Final Course Agenda – May 10-14, 2010

Monday, May 10, 2010

Facilitator: Nikki Dictson

- 11:00 – 1:00 pm **Registration (Distribute Knowledge Assessment)**
A pre-course examination will determine the knowledge level of each participant prior to going through the course. The pre-course exam results will be compared to the post-course exam results to assess course impact/knowledge gained.
- 1:00 – 1:30 pm **Introduction..... Dictson**
This session will provide the group (1) the opportunity to introduce themselves and the watersheds they are working in, (2) information on facilities and ground rules, and (3) an overview of the course, its purpose and structure.
- 1:30 – 2:30 pm **Nine Elements of Watershed Protection Plans & EPA’s Expectations.....Bira**
This session will provide an overview of the Nine Elements to be included in a WPP as outlined in Chapter 2 of the *Handbook* and the EPA Region 6 Review Guide for Watershed-Based Plans.
- 2:30 – 3:30 pm **Perspectives on WPPsPanel**
A panel composed of Mike Bira (EPA), Aaron Wendt (TSSWCB), Kerry Niemann (TCEQ) and James Earp (City of Kyle) will discuss (1) the goals and importance of WPPs, (2) how WPPs fit into state, federal and local objectives and interact with other state and federal programs, and (3) current issues affecting watershed planning efforts.
- 3:30 – 3:50 pm **Break**
- 3:50 – 5:15 pm **Working with Stakeholders to Move the Process ForwardMacPherson**
Stakeholders form the backbone of your watershed planning effort. Learn tips on how to get off on the right foot and keep the energy going throughout your watershed planning and implementation program. Topics to be addressed include: determining who needs to be involved, making meetings count, diffusing conflict, making decisions using a consensus-based approach, and sustaining the stakeholder group. This session will focus on Chapter 3 of the *Handbook*.
- 5:15 – 6:00 pm **Partnership Building Experiences in Plum Creek Dictson**
Experiences in Plum Creek watershed with getting local involvement, announcing meetings, setting up the committee and subcommittees, publicizing the effort, what needs to be discussed/decided at each meeting, and timelines will be discussed. Sample invitation letters, ground rules, press releases, and other materials will be provided.
- 6:45 pm **Dinner**

Tuesday, May 11, 2010

Facilitator: Eric Mendelman

7:00 – 8:00 am	Breakfast
8:15 – 8:30 am	Expectations for Element E Dictson The expectations for and an example of Element E will be reviewed and discussed to provide the group an understanding of the information/education components of the WPP.
8:30 – 9:30 am	Using Outreach to Develop & Implement WPPs.....MacPherson Outreach is a powerful tool to get stakeholders involved early in the planning process, promoting behavior change in the watershed, and enhancing the implementation of your management strategies in the watershed. Learn tips and tools to conduct effective outreach without breaking the bank. This session will focus on Chapter 12.2 of the <i>Handbook</i> .
9:30 – 9:45 am	Texas Watershed Steward Program Dictson This session provides an overview of the Texas Watershed Steward Program, a sciences-based, watershed education designed to help citizens identify and take action to address local water quality issues. Incorporation of this program into WPP efforts empowers stakeholders by providing them with the knowledge to make informed decisions about water resources.
9:45 – 10:05 am	Break
10:05 – 10:35 am	Expectations for Element ABira The expectations for and an example of Element A will be reviewed and discussed to provide the group an understanding of what is necessary to identify causes and sources of water quality impairments and concerns.
10:35 – 11:20 am	Defining the Scope of the WPP.....Wendt This session will discuss identifying issues of concern, developing preliminary goals, and selecting indicators of environmental conditions as outlined in Chapter 4 of the <i>Handbook</i> .
11:20 – 12:00 pm	Gathering data to assess your watershed..... Dictson What data do you need? Where do you find the data? How do you get info from TCEQ and other agencies? This session will examine (1) materials from Chapters 5-6 of the <i>Handbook</i> ; (2) how GIS may be used for watershed analysis, source identification and watershed characterization; and (3) sources of data in Texas and how best to obtain it.
12:00 – 1:00 pm	Lunch
1:00 – 2:10 pm	Analyzing Data to Characterize Your Watershed.....Davenport How do you analyze your data? What tools are available? Is modeling needed? This session will concentrate on materials from Chapters 7 and 8.1-8.2 of the <i>Handbook</i> in order to provide the group an understanding of the methods/options available for analyzing watershed data and estimating pollutant loads. Simplistic methods for calculating loads and assessing sources will be presented. The

session will also examine refining goals, identifying management objectives, and determining load reductions needed as described in Chapter 9 of the *Handbook*.

- 2:10 – 3:10 pm **The Good, the Bad, and the Ugly**MacPherson
Participants will learn techniques to improve their outreach materials and critique samples to determine their effectiveness in reaching the audience and communicating the message.
- 3:10 – 3:30 pm **Break**
- 3:30 – 6:00 pm **Web-Based Tools for Watershed Assessment & Management** McDonnell
Web-based tools available from EPA to support watershed planning will be reviewed.
- 6:45 pm **Dinner**

Wednesday, May 12, 2010

Facilitator: Nikki Dictson

- 7:00 – 8:00 am **Breakfast**
- 8:15 – 8:45 pm **Expectations for Element B**Wendt
The expectations for Element B will be reviewed and discussed to provide the group with an understanding of the level of detail and effort needed to determine ‘acceptable’ pollutant loadings, and whether or not load reductions are needed to reach acceptable levels.
- 8:45 – 10:00 am **Overview of Models for Estimating Pollutant Loads & Reductions**Hauck
If modeling is needed, what models are available and how do you select a model? This session will present materials from Chapter 8.3-8.5 of the *Handbook* to give the group an overview of the models available, expectations for what each model can deliver (i.e. what you can and cannot get from them), costs, and factors to consider when selecting models (i.e. timelines and data needs for complex watershed models).
- 10:00 – 10:20 am **Break**
- 10:20 – 11:00 am **Simple Tools for Estimating Loads and Load Reductions** TBD
This session will demonstrate how to use load duration curves (LDC) to determine needed pollutant load reductions and assess potential sources of the pollutants.
- 11:00 – 12:00 pm **Watershed Modeling: Plum Creek Case Study.....** TBD
This session will demonstrate the use and integration of the SWAT, LDC, and SELECT models in the development of the Plum Creek WPP.
- 12:00 – 1:00 pm **Lunch**
- 1:00 – 2:00 pm **Overview and Expectations for Element C**Bira
This session will discuss expectations for Element C as well as steps to select management practices as described in Chapter 10 of the *Handbook*.

- 2:00 – 2:45 pm **Urban NPS MeasuresDavenport**
 This session will provide an overview of (1) urban NPS measures, (2) how to develop a preliminary list of urban BMPs to address the issues of concern, (3) finding information on the effectiveness of urban BMPs, (4) estimating BMP implementation costs; and (5) stormwater permitting.
- 2:45 – 3:30 pm **Agricultural NPS MeasuresGregory**
 Agricultural NPS measures in Texas are typically implemented through the SWCDs, TSSWCB, and NRCS as part of a Water Quality Management Plan or Resource Management System. This session provides an overview of (1) agricultural BMPs and these plans, (2) how to develop a preliminary list of agricultural BMPs to address the issues of concern, (3) finding information on the effectiveness of agricultural BMPs, and (4) estimating BMP implementation costs.
- 3:30 – 3:50 pm **Break**
- 3:50 – 4:30 pm **Wastewater Treatment SystemsLesikar**
 This session provides a brief overview of wastewater treatment systems (WWTFs and OSSFs), their impacts, and effectiveness in removing pollutants.
- 4:30 – 5:00 pm **Wastewater IssuesJames**
 Learn how to help identify and address wastewater treatment system issues in your watershed.
- 5:00 – 5:45 pm **Online Wastewater Treatment Modules..... Dictson**
 This session provides an overview of Online Educational Modules on wastewater treatment plants, onsite wastewater treatment systems and fats, oils, and grease.
- 5:45 – 6:00 pm **Expectations for Elements F, G, and H.....Gregory**
 The expectations for Element F, G, and H will be reviewed and discussed to provide the group with an understanding of the level of detail and effort needed to schedule implementation, describe interim milestones, and establish criteria to determine if load reductions are achieved.
- 6:45 pm **Dinner**

Thursday, May 13, 2010

Facilitator: Lucas Gregory

- 7:00 – 8:00 am **Breakfast**
- 8:15 – 9:00 am **BMP Selection: Cedar Creek Reservoir Case StudyWolfe**
 This session will discuss evaluating and selecting management practices for Cedar Creek Reservoir. Session will also discuss developing decision criteria and summarizing evaluation results for presentation to stakeholders, obtaining feedback from stakeholders, ranking preferences, and selecting the final management strategy.

9:00 – 10:00 am	<p>Targeting Critical Areas and Scheduling ImplementationDavenport To achieve the most effective and immediate benefit, BMP implementation must be targeted to the most critical areas. This session discusses the targeting of control measures and the importance of this effort to the ultimate success of the WPP. This session also discusses scheduling implementation efforts (Element F) as described in the final management strategy (Chapter 12.3 of the <i>Handbook</i>).</p>
10:00 – 10:20 am	<p>Break</p>
10:20 – 11:00 am	<p>Developing Interim Milestones & Criteria to Measure ProgressDavenport This component of the WPP is where you define in realistic terms how you will determine (1) if you are on track and making progress or not, (2) how/when you evaluate your progress, and (3) what to do if watershed improvements are not on track. This session will discuss developing interim measurable milestones (Element G) and establishing a set of criteria to measure progress (Element H) toward meeting water quality goals as presented in Chapter 12.4-12.5 of the <i>Handbook</i>.</p>
11:00 – 12:00 pm	<p>Designing & Implementing Effectiveness Monitoring – Element I.....Hauck This session will provide guidance on developing Element I as described in Chapter 12.6 of the <i>Handbook</i>. Selecting an appropriate experimental design that incorporates previous and ongoing monitoring efforts will be discussed.</p>
12:00 – 1:00 pm	<p>Lunch <i>*Meet at the Pavilion at 1 p.m. for hayride to river for next presentation. Please note: Participants will divide into two groups for the presentations below.</i></p>
1:00 – 1:45 pm	<p>Water Quality Monitoring: Harmel Practical Guidelines & Lessons Learned An overview of the how to use automated samplers and data sondes will be discussed. Practical guidance on installation and operation will be presented along with information on difficulties encountered and data uncertainty and how to communicate to stakeholders.</p>
1:45 – 2:00 p.m.	<p>Additional Q&A and groups 1 & 2 will rotate to next presentation</p>
2:00 – 2:45 pm	<p>Using Volunteer Monitoring For Assessment and Outreach..... Pinchback This session provides an overview of Texas Stream Team (formerly Texas Watch), a statewide network of volunteers, partners, and institutions that promote a healthy and safe environment through education, data collection, and community action. This session will describe how voluntary efforts such as Texas Stream Team may be a valuable component to any WPP.</p>
2:45 – 3:05 pm	<p>Break</p>
3:05 – 3:35 pm	<p>Expectations for Element DBira This session will discuss expectations for Element D which describes the financial and technical assistance needs and identifies the sources/authorities that will be relied on for implementation as described in Chapter 12.7 of the <i>Handbook</i> (Element D). Funding sources in Texas will be discussed along with match requirements and the mechanisms for requesting it.</p>

3:35 – 6:00 pm **Sustaining Watershed Groups for Implementation Success** **Jarocki**
This session will provide an overview of Plan2Fund, Plan2Fund OPT, and the Directory of Watershed Resources developed by the Environmental Finance Center (EFC) Network for helping implement watershed plans.

6:45 pm **Dinner**

Friday, May 14, 2010

Facilitator: Lucas Gregory

7:00 – 8:00 am **Breakfast**

8:15 – 8:45 am **Putting It All Together** **Dictson**
This session will discuss assembling a WPP, gaining stakeholder approval, submitting the WPP for state and federal review, developing an evaluation framework and devising a method for tracking progress as described in Chapter 12.8-12.11 of the *Handbook*.

8:45 – 9:15 am **Implementing Your WPP – Arroyo Colorado Case Study** **Engledow**
This session will focus on Arroyo Colorado WPP implementation efforts built upon the stakeholder efforts and partnerships developed during the WPP development process. Topics include implementation strategies, adaptive management, and approaches to addressing long-term sustainability of your WPP (i.e. grant writing, developing 501(c)(3), merging/collaborating with existing organizations and creating community level commitment).

9:15 – 10:15 am **Watershed Protection Plan Implementation in Oklahoma.....** **Phillips**
This session will focus on watershed protection plan development and implementation efforts in Oklahoma, their experiences, and lessons learned.

10:15 – 10:35 am **Break**

10:35 – 11:00 am **Perspectives on Watershed Group Organization.....** **Dictson**
As watershed protection efforts move beyond planning stages, transition to implementation and maintaining public involvement raise some challenges with implications on long-term sustainability. This presentation will discuss approaches for sustaining your watershed group once your watershed plan has been developed.

11:00 – 11:30 am **Course Wrap-Up.....** **Gregory**
Review of Nine Key Elements and the EPA Review Guide.

11:30 – 12:00 pm **Knowledge Assessment/Course Evaluation**
A post-course examination and course evaluation will be distributed to assess course impact / knowledge gained and obtain feedback on how to improve the course.

12:00 pm **Adjourn; Lunch**
Certificates will be distributed as the class turns in their post-course exam and course evaluations.

Appendix B
Directory of Watershed Resources
Texas Grant Programs

- Coastal Bend Bays and Estuary Program
- Coastal Erosion Planning and Response Act (CEPRA) Program
- Gulf of Mexico Community-Based Restoration Program (GCRP)
- Texas Coastal Management Program (CMP)
- Texas State Soil and Water Conservation Board (TSSWCB) Nonpoint Source Grant Program
- Texas Commission on Environmental Quality (TCEQ) Nonpoint Source Grant Program
- Beach Maintenance Reimbursement Program Fund
- Texas Coastal Program-USFWS
- Estuary Habitat Restoration Project
- TCEQ Total Maximum Daily Load Program
- TSSWCB Total Maximum Daily Load Program
- Region 06 Wetland Program Development Grants
- *Community Based Restoration Program (CRP)
- Texas Sea Grant
- Shell Marine Habitat Program (private)
- Conoco Philips Spirit of Conservation Migratory Bird Program (private)
- Texas Coastal Impact Assistance Program (CIAP)
- Outdoor Recreation Grants
- Texas Corporate Wetland Restoration Project (CWRP)
- Agricultural Water Conservation Grant Program
- Agricultural Water Conservation Loan Program
- Economically Distressed Areas Program (EDAP)
- Clean Water State Revolving Fund (CWSRF)
- Flood Mitigation Assistance (FMA) Program
- Texas State Participation Program
- Groundwater District Loan Program
- Drinking Water State Revolving Fund (SRF) Program
- Colonia Self-Help Program
- Flood Protection Planning Program
- Coastal Grant Program (USFWS)
- EPA Environmental Education Grants
- Fish America Foundation Conservation Grant
- FWS Texas Coastal Program
- Houston Endowment Grants and Scholarships
- Texas Parks and Wildlife Boat Sewage Pumpout Grants
- Texas Parks and Wildlife Community Outdoor Outreach Program
- Texas Parks and Wildlife Department Habitat Conservation Plan (HCP) Land Acquisition
- Texas Parks and Wildlife Department Local Park Grant Program
- Texas Parks and Wildlife Department Private Lands and Habitat Program

- Texas Parks and Wildlife Department Project WILD Program
- Texas Parks and Wildlife Department Recovery Land Acquisition
- Texas Parks and Wildlife Department Recreational Trails Program
- Texas Parks and Wildlife Department Section 6 Traditional Grant
- Texas Parks and Wildlife Department Small Community Park Grant Program
- Texas Parks and Wildlife Department State Boating Access Program
- Texas Parks and Wildlife Department Wildlife Research Grant
- Texas Parks and Wildlife Department Nature Trackers Program
- Texas Parks and Wildlife Habitat Conservation Planning Assistance Grants
- Texas Parks and Wildlife Landowner Incentive Program
- Texas Water Development Board Brackish Groundwater Desalination Program
- Texas Water Development Board Groundwater Availability Modeling (GAM) Program
- Texas Water Development Board Groundwater Technical Assistance
- Texas Water Development Board Regional Water and Wastewater Facility Planning
- The Cullen Foundation Grants

Appendix C
Compilation of Evaluations
For
***Getting in Step* Workshop**
January 28, 2010

Workshop Location	#
Georgetown	8

Affiliation			
Environmental Group	2		Government:
Academia			City/County
Consultant			Regional
Utility			State
Other:			Federal

Part I. Overall Evaluation	Fell Short	1	2	3	4	5	Exceeded
<i>Did this workshop meet your expectations?</i>					5	3	

What were the most valuable aspects of this workshop?

Group disussion;
 Learning interesting ways to communicate effectively;
 Take home materials/URLs;
 Expert (and participant) advice;
 I like all the examples of good and bad outreach materials;
 Hearing from the presenter and other attendees regarding advice and suggestions about how to solve issues with outreach programs;
 Lecture, the steps summary, behavioral change exercise;
 Examples of existing outreach materials, Principles of audience identifcation, target audience identification;
 Learning about effective/non-effective poster campaigns.

What were the least valuable aspects of this workshop?

Not enough people brought their own projects;
 I found this workshop to be very useful;
 I can't pick one part that was less valuable;
 I think it was a very good workshop;
 N/A;
 Definitional clarifications - can get lost in too many powerpoint slides laying out definitions that won't matter when it comes time to the practical application.

Did you feel that the group exercise and case study discussion were useful? If not, how could they be improved?

Yes - It gave all of us in the workshop a great opportunity to break free and interact;
 Yes (2);
 Yes - It was valuable, but we didn't have much in the way of our own projects to discuss;
 Yes - very;
 Team building exercises were okay. I enjoyed the discussions involving other participants' outreach materials, their problems, and their solutions.
 Yes, group exercise helped me think about how to relate/think like my audience;

How do you intend to apply this new knowledge to your watershed planning efforts?

I intend to apply this (knowledge learned) by using different channels of communication and various techniques;
 Will take this into account as we start our outreach efforts, logo design, etc.;
 I will reevaluate the goals and objectives of my outreach program;
 Will help specifically for targeting audience correctly and tailoring message to those stakeholders in a more specific manner;
 Yes;
 Understand which outreach tools are most effective and designing them in a thoughtful manner.

Part II. Presentation Evaluation					
	Excellent	Good	Average	Poor	Comments
<i>Building Blocks to Outreach</i>	3	4	1		
<i>Market Research</i>	2	6			
<i>What it Takes to Change Behavior</i>	3	5			
<i>Evaluating Your Outreach Effort</i>	3	5			
<i>Showcase of Ready-to-Use Outreach Materials and Ideas</i>	5	3			
<i>Any other comments or suggestions?</i>					
Power Points = Old School; I am very satisfied with my attendance today. Jennifer is a very well-informed professional.					