



Delivery of a Watershed Coordinator Development Program Texas State Soil and Water Conservation Board Clean Water Act §319(h) Nonpoint Source Grant Program FY 2013 Workplan 13-04

Quarter no. <u>10</u> From <u>10/01/15</u> Through <u>12/30/15</u>

I. Abstract

This quarter has focused on scheduling trainings, conducting the planning, advertising coordinating speakers and registration for Watershed Planning Short Course, the January Watershed Coordinators Roundtable. Work on updating the website http://watershedplanning.tamu.edu/ has also continued to occur. Information continues to be posted on the website and through the watershed coordinators listserv. TWRI and the planning team reworked the Watershed Planning Short Course to focus on the basics for 9 element of a watershed based plan. Registration was opened for the Watershed Planning Short Course scheduled for October 2015. The registration has also been set up for the January Watershed Coordinators Roundtable.

II. Overall Progress and Results by Objective and Task

TASK 1: PROJECT ADMINISTRATION

To effectively administer, coordinate and monitor all work performed under this project including technical and financial supervision and preparation of status reports. To maintain web-based watershed planning resources for Texas watershed coordinators.

Task 1.1: Project Administration –TWRI/IRNR will prepare electronic quarterly progress reports (QPRs) for submission to TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be distributed to all project partners.

The following actions have been completed during this reporting period:

a. The QPR for this last quarter was submitted by 10/12/15.

75% Complete

Task 1.2: TWRI/IRNR will perform accounting functions for project funds and along with SRS will submit appropriate Reimbursement Forms to TSSWCB at least quarterly.

The following actions have been completed during this reporting period:

- a. The contract was signed and the project period began 10/1/13 through 9/30/16.
- b. TWRI/IRNR and SRS will submit the reimbursement forms at the end of this quarter.
- c. FSRs show that \$89,687 remains after the last Invoice.

75% Complete

Task 1.3: TWRI will host and maintain an Internet website for information sharing and use by watershed coordinators (http://watershedplanning.tamu.edu/). Information presented through the website will include:

- Project reports
- Short course, workshop, and roundtable agendas and participant lists

- Roundtable presentations generated, and roundtable agendas and summaries
- Schedule of upcoming programs
- Resources for Watershed Planning and Implementation
- Links to other training opportunities
- Links to EPA tools for Watershed Planning

The following actions have been completed during this reporting period:

- a. The Texas Watershed Planning Website can be found at http://watershedplanning.tamu.edu/
- b. TWRI has been reviewing and updating links to reports and resources as well as materials on the website.
- c. The Watershed Coordinators Roundtable has been updated with materials on the website.
- d. The trainings have been advertised on the website and through the Watershed Planning listserv.
- e. Press Releases have been developed for the trainings.
- f. The website includes the past QPRs, reports, and training materials
- g. The website includes links to other training opportunities
- h. The website over this quarter had 351 visits with 265 unique visitors and 667 Pageviews.

75% Complete

Task 1.4: TWRI will host coordination meetings or conference calls, at least quarterly, with Project Partners to discuss project activities, project schedule, communication needs, deliverables, and other requirements. TWRI will develop lists of action items needed following each project coordination meeting and distribute to project personnel.

The following actions have been completed during this reporting period:

- a. TWRI scheduled a Coordination meeting/conference call with project partners on November 5, 2015 where the project schedule, deliverables, and other requirements were discussed. TWRI talked by phone with TSSWCB, TCEQ, and EPA about the timing, training schedule.
- b. The Watershed Coordinators Roundtable Agenda was also discussed on the November 5, 2015and scheduled with the group during the conference call to occur on January 11, 2016 in College Station.
- c. The schedule of upcoming trainings, location, and advertising was also discussed with the committee and developed.

70% Complete

Task 1.5: TWRI will develop a final report that summarizes activities completed, conclusions reached during the project, and the extent to which project goals and measures of success have been achieved.

The following actions have been completed during this reporting period:

a. Nothing to report this quarter.

0% Complete

TASK 2: Professional Training, Roundtable, and Watershed Planning Short Course Coordination

Provide training, coordination, and professional development for watershed planners and coordinators throughout Texas and across the nation to ensure consistent, high quality WPPs are developed, implemented, and water quality improvements are achieved and sustained.

Subtask 2.1 TWRI will coordinate with Texas A&M University faculty, Tetra Tech staff, and others to provide professional development and training for water resource professionals and watershed coordinators in Texas. Over the project duration, a minimum of ten professional training programs are planned on watershed modeling, stakeholder facilitation, watershed outreach, and other tools for watershed plan development and implementation (i.e. 3-4 trainings/year). It is expected that each course will provide training for at least 15-20 water resource professionals for a total of 150-200 participants. As possible, these will be held in conjunction with the Watershed Coordinator Roundtables described below. A minimum of 1 of each of the following training programs will be delivered:

- *Introduction to Modeling 1 event*
- Watershed modeling using LDC (Load Duration Curves) and SELECT (Spatially Explicit Load Enrichment Calculation Tool) 1 event
- *Stakeholder facilitation* − 2 *events*
- Watershed outreach using "Getting in Step" 1 event
- o Practical Environmental Statistics 1 event
- Fundamentals of Developing a Water Quality Monitoring Plan 2 events
- Social Marketing Training 2 events

As funding allows, TWRI will work closely with TSSWCB and the Project Team, to ensure that the most appropriate and needed trainings are offered for a second time that best meet the needs of the State and the watershed coordinators. Additional trainings will be considered based on a Project Team and Coordinator recommendations.

The following actions have been completed during this reporting period:

- a. TWRI has developed an draft schedule of trainings and roundtables. See Attached.
- b. TWRI coordinated and presented at the Introduction to Modeling Course in Austin on July 8, 2015. (33 attendees)
- c. TWRI coordinated and presented at the Fundamentals of Developing a Water Quality Monitoring Plan in Temple on August 6-7, 2015 (30 attendees).
- d. TWRI has scheduled, advertised, and opened up registrations for the Introduction to Modeling Course in Austin on July 8, 2015.
- e. TWRI has scheduled, advertised and opened up the RSVP system for the August 12 Watershed Coordinators Roundtable Event in San Marcos at the San Marcos Activity Center.
- f. TWRI has scheduled, advertised, and opened up registrations for the Fundamentals of Developing a Water Quality Monitoring Plan course on August 6-7, 2015.
- g. TWRI has scheduled, advertised, and opened up registrations for the Watershed Planning Short Course in October 2015 with currently 24 registrants.
- h. TWRI is registering for the January 11, 2016 Watershed Coordinators Roundtable and has 80 registrants.

85% Complete

Subtask 2.2 TWRI will continue to coordinate with the TSSWCB, TCEQ, and EPA to organize and facilitate a total of six (6) semi-annual Watershed Coordinator Roundtables. These face-to-face 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. Periodically, TWRI, in conjunction with the Project Team will review the continued need for semi-annual Roundtables as well as their specific timing. As such, these Roundtables are tentatively planned to be held in January and July at various locations around the state.

The following actions have been completed during this reporting period:

- a. TWRI has scheduled, advertised and opened up the RSVP system for the January 11, 2016 Watershed Coordinators Roundtable Event in San Marcos at the San Marcos Activity Center.
- b. TWRI coordinated and will present at the Texas Watershed Coordinator Roundtable in College Station on January 11, 2016. (80 attendees)
- c. The Planning Team discussed the next roundtable on the September 14, planning team conference call location options and potential topics of the January 2016 Roundtable.

75% Complete

Subtask 2.3 TWRI will continue to coordinate and offer Watershed Planning Short Courses (WPSC). TWRI, with assistance from the Project Team, will identify key speakers for the course, make arrangements for facilities, advertise the WPSC, conduct registration, and facilitate the delivery of a minimum of one Texas WPSC to water resource professionals in Texas, as well as other states. The WPSC agenda and speakers will be modified to better meet the needs of watershed coordinators based on the past course evaluation results (See Subtask 2.4).

The following actions have been completed during this reporting period:

- a. TWRI has contacted the Mayan Ranch and scheduled the Watershed Planning Short Course for the week of October 19-22, 2015. Key instructors, the Agencies, and planning committee were all contacted to determine this date and follow up discussions occurred to update the Agenda and speakers.
- b. TWRI discussed updates to the Short Course Agenda and presentations at the Planning Team Conference call/Meeting on September 14, 2015.
- c. Work will continue on the updates for the Short Course presentations and activities by TWRI and the planning committee.
- d. Press release has been sent out to advertise the Short Course and registration had 25 registrants.
- e. The Short Course was conducted on October 19-22, 2015for 24 attendees and 10 instructors.

100% Complete

Subtask 2.4 TWRI will oversee the administration of evaluations to gauge the knowledge gained, how effective the program was for each participant, and get input on future programs.

The following actions have been completed during this reporting period:

- a. Evaluations have been updated according to instructors and questions for the October Short Course Training.
- b. Evaluations and the test were updated and conducted for the Watershed Coordinators Short Course in October 2015.
- c. Evaluations were prepared for the January Watershed Coordinator Roundtable.

75% Complete

Expected Work for the Next Quarter:

- TWRI will continue to work with TSSWCB and the planning team to schedule the remaining trainings and roundtables.
- TWRI will work to coordinate and conduct the next watershed coordinators roundtable in July 2016.
- TWRI will work to schedule and coordinate the appropriate trainings remaining for 2016 including the 2nd Stakeholder Facilitation and the 2nd Fundamentals of Developing a Water Quality Monitoring Plan trainings.
- TWRI will continue to update the website with relevant materials, trainings, and links.
- TWRI will advertise upcoming scheduled trainings and conduct registration for them all.

Appendices: Trainings/Meeting Schedule Short Course Agenda Short Course Participants Roundtable Agendas

Tentative Schedule of Trainings

		Workshop			
Workshop	Instructor	Date	Days	Location	Notes
		October 19-			
Short Course	multiple	23 2015			Planned for next Qtr
Texas Watershed Coordinator					
Roundtable	n/a	3/17/2014	1	Temple	Complete
Texas Watershed Coordinator					
Roundtable	n/a	7/31/2014	1	Waco	Complete
Texas Watershed Coordinator				San	
Roundtable	n/a	1/22/2015	1	Antonio	Complete
Texas Watershed Coordinator				San	
Roundtable	n/a	8/12/2015	1	Marcos	Complete
Texas Watershed Coordinator				College	
Roundtable	n/a	Jan-16	1	Station	Planning
Texas Watershed Coordinator					
Roundtable	n/a	Jul-16			

Intro Modeling Training	Srini	7/8/2015	1	Austin	Complete
LDC/SELECT Model Training	Karthi	2/27/2014	2		Complete
Getting in Step Training	MacPherson	9/29/2014	1	Austin	Complete
Stakeholder Facilitation	MacPherson	9/30/2014	1	Austin	Complete
Stakeholder Facilitation		May 2016		Dallas?	Planning
				College	
Social Marketing Training	Hays	6/18/2014	2	Station	Complete
Social Marketing Training	Hays	10/28/2014	2	Houston	Complete
Applied Environmental	Practical			College	
Statistics	Stats	8/25/2014	5	Station	Complete
Fundamentals of WQ					
Monitoring	Hauck	8/6-7/2015	2	Temple	Complete
Fundamentals of WQ					
Monitoring	Hauck	2016	2	Austin	
				College	
Kickoff Meeting w/ TSSWCB	n/a	1/21/2014		Station	Complete
	,			Conference	
Quarterly Coord. Meeting	n/a	2/19/2014		Call	Complete
Quarterly Coord. Meeting	n/a	5/20/2014		Conference Call	Complete
Quarterly Coord. Weeting	II/ a	3/20/2014		Conference	Complete
Quarterly Coord. Meeting	n/a	9/3/2014		Call	Complete
	.,,,,			Conference	
Quarterly Coord. Meeting	n/a	11/13/2014		Call	Complete
				Conference	
Quarterly Coord. Meeting	n/a	02/24/15		Call	Postponed/Complete
		_ / /= - : -		Conference	_
Quarterly Coord. Meeting	n/a	5/11/2015		Call	Complete
Questante Coard Manting	n/a	0/15/15		Conference	Complete
Quarterly Coord. Meeting Quarterly Coord. Meeting	n/a n/a	9/15/15 Nov-15		Call	Complete
Quarterly Coord. Meeting	n/a n/a	Feb-16			
Quarterly Coord. Meeting	n/a	May-16			
Quarterly Coord. Meeting	n/a	Aug-16			
Quarterly Coord. Wiceting	ii/ a	Aug-10			

Texas Watershed Planning Short Course *Course Agenda – October 19-22, 2015*

Monday, October 19,	2015 Facilitator: Kevin Wagner
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 – 1:10 pm	WelcomeWomble
1:10 – 1:30 pm	Introduction
1:30 – 2:00 pm	Watershed Basics
2:00 – 3:00 pm	Working with Stakeholders to Move the Process Forward Wagner/Gregory 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.
3:00 – 3:20 pm	Break
3:20 – 4:05 pm	Partnership Building Experiences in Plum Creek
4:05 – 4:35 pm	Expectations for Element A
4:35 – 5:30 pm 6:45 pm	Gathering data to assess your watershed

Tuesday, October 20, 2015 Facilitator: Nikki Dictson

7:00 – 8:00 am	Breakfast
8:00–8:30 am	Gathering animal density data Wagner
8:30 – 9:00 am	Estimating OSSF density in watersheds
9:00 – 10:00 am	Analyzing Data to Characterize Your Watershed
10:00 – 10:20 am	Break
10:20 – 10:50 am	Expectations for Element B
10:50 – 11:20 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 provide an overview of models available, expectations for what each model can deliver, costs, and factors to consider when selecting models.
11:20–12:00 pm	Introduction to Load Duration CurvesGregory
12:00 – 1:00 pm	Lunch
1:00–1:50 pm	Load Duration Curve (LDC) DemonstrationGregory
1:50–2:50 pm	Assignment: Estimating Pollutant Loads for Attoyac Bayou Using LDCs
2:50–3:10 pm	Break
3:10 – 3:30 pm	Discuss LDC Assignment
3:30 – 4:00 pm	Overview and Expectations for Element C
4:00 – 4:50 pm	Agricultural NPS Measures

4:50 – 5:30 pm	BMPs, (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. Texas Riparian and Stream Ecosystems
6:45 pm	Dinner
Wednesday, October	21, 2015 Facilitator: Nikki Dictson
7:00 – 8:00 am	Breakfast
8:00 – 8:50 am	Urban NPS Measures
8:50 – 9:35 am	Wastewater Treatment Systems, Issues, and Permits
9:35 – 10:00 am	Other Common Measures (Wildlife, Pets, etc.)
10:00 – 10:20 am	Break
10:20 – 11:00 am	Targeting Critical Areas
11:00 – 11:30 pm	Estimating Load Reductions from BMPs Wagner
11:30 – 12:00 pm	Assignment: Estimating Load Reductions from BMPs
12:00 – 1:00 pm	Lunch
1:00 – 1:15 pm	Discuss BMP Load Reduction Assignment
1:15 – 1:30 pm	Expectations for Element E
1:30 – 2:15 pm	Using Outreach to Develop and Implement WPPs

	of management strategies in the watershed. Learn tips and tools to conduct effective outreach without breaking the bank.
2:15 – 2:45 pm	Overview of Educational Programs Gregory This session provides an overview of the Texas Watershed Steward, Texas Well Owner Network, Lone Star Healthy Streams, and other education programs. Incorporation of these programs into WPP efforts provides stakeholders with the knowledge to make informed decisions about water resources.
2:45 – 3:00 pm	Watershed Resources and Tools Available
3:00 – 3:20 pm	Break
3:20 – 4:20 pm	Designing & Implementing Effectiveness Monitoring – Element I Hauck This session will provide guidance on selecting an appropriate experimental design that incorporates previous and ongoing monitoring efforts.
4:20 – 4:30 pm	Break / Hayride to River for Next Presentation Please note: This is a light field exercise at the Medina River. Appropriate field attire for expected weather is recommended. Participants will divide into 3 groups for the presentations below.
4:30 – 5:30 pm	Water Quality Monitoring: Practical Guidelines & Lessons Learned Harmel/Gregory/Butler/Jonescu An overview of the how to use automated samplers, multi-probes, flow meters, and Texas Stream Team volunteer monitoring kits will be provided. *sessions are 20 minutes each
6:45 pm	Dinner
6:45 pm Thursday, October 22	
•	
Thursday, October 22	2, 2015, 2013 Facilitator: Kevin Wagner
Thursday, October 22 7:00 – 8:00 am	Expectations for Elements F, G, and H

9:40 – 10:00 am	Break
10:00 – 10:45 am	Assignment: Consistency Review of Elements F, G, and H
10:45 – 12:00 pm	Discuss Elements F, G, and H Assignment
12:00 – 1:00 pm	Lunch
1:00 – 1:25 pm	Expectations for Element D
1:25 – 2:10 pm	Implementation Costs and Sources of Funding
2:10 – 2:30 pm	Course Wrap-Up
2:30 – 3:00 pm	Knowledge Assessment/Course Evaluation A post-course examination will be distributed to determine course impact and knowledge gained. A course evaluation will also be distributed to gain feedback on how to improve the course.
3:00 pm	Adjourn Certificates will be distributed as the class turns in their post-course exam and course evaluations.

Short Course Attendees and Instructors:

#	First	Last	Organization
1	Nancy	Arazan	EPA Region 5
2	Justin	Baker	AECOM
3	Mike	Bira	US EPA, Region 6
4	Russell	Bond	TCEQ
5	Will	Butler	Texas Stream Team
6	Hannah	Cruce	Texas A&M Forest Service
7	Tom	Davenport	US EPA, Region 5
8	Nikki	Dictson	TWRI
9	Shaun	Donovan	San Antonio River Authority
10	Sue	Elston	US Environmental Protection Agency (WW-16J)
11	Lucas	Gregory	TWRI
12	Daren	Harmel	USDA-ARS
13	Larry	Hauck	Texas Institute for Applied Environmental Research
14	Tina	Hendon	Tarrant Regional Water District
15	David	Hernandez	SARA
16	Aaron	Hoff	Trinity River Authority
17	Angela	Kilpatrick	Trinity River Authority
19	Michelle	Krause	TCEQ/Galveston Bay Estuary Program
20	Webster	Mangham	Trinity River Authority
21	Lisa	Marshall	TCEQ/Galveston Bay Estuary Program
22	Drucilla	Meier	BCRAGD
23	John	Moeny	New Mexico Environment Department
24	Stephanie	Painter	TIAER
25	Liza	Parker	TSSWCB
26	Nicole	Pearsall	TCEQ
27	Katherine	Romans	Hill Country Alliance
28	Spencer	Schnier	Freese and Nichols, Inc.
29	Dean	Thomas	LCRA
30	Caitlain	Thompson	US EPA, Region 6
31	Elizabeth	Turner	North Texas Municipal Water District
32	Jessica	Uramkin	TCEQ
33	Kevin	Wagner	TWRI
34	Megan	Wilson	TCEQ
35	Kyle	Wright	USDA-NRCS

Roundtable Agenda

Texas Watershed Coordinator Roundtable

Addressing Wildlife and Exotic/Invasive Species in Watershed Planning
DRAFT FINAL AGENDA
January 11, 2016
9:30 a.m. — 3:30 p.m.

Texas A&M Equine Complex College Station, TX

9:30 – 9:45 a.m.	Welcome & Introductions	John Tracy
9:45 – 10:15 a.m.	Wildlife and Watershed Planning – Issue Overview	Kevin Wagner
10:15 – 10:45 a.m.	Wildlife populations in Texas	Matt Wagner
10:45 – 11:15 a.m.	Break	
11:15 – 11:45 a.m.	Bacteria Fate, Transport, Growth & Persistence Study Results	Lucas Gregory
11:45 – 12:30 p.m.	Catered networking lunch (or bring your own) [RSVP required]	
12:30 – 1:30 p.m.	 Management Measures for Addressing Wildlife Sources Common Management Measures & BMPs – Kevin Wagner NRCS Wildlife Practice Standards – Russell Castro Feral Hog Abatement & Landowner Education – Mark Tyson TPWD Wildlife Management Plans – Matt Wagner 	Nikki Dictson
1:30 - 1:45 p.m.	Break	
1:45 – 2:30 p.m.	 Watershed Coordinator Efforts to Address Wildlife/Exotics Feral Hog Control Efforts – Nick Dornak Exotics / Exclosures – Tom Arsuffi Private Land Stewardship To Manage For Wildlife & Water – 	Lucas Gregory Brian Hays
2:30 – 3:15 p.m.	 NPS Program Perspectives Henry Brewer, EPA Region 6 State & Tribal Programs Section Mike Bira, EPA Region 6 Watershed Management Section Kyle Girten, Texas Commission on Environmental Quality TJ Helton, Texas State Soil and Water Conservation Board 	Kevin Wagner n
3:15 – 3:30 p.m.	Wrap-Up • Upcoming Trainings	Nikki Dictson

Next Roundtable