

**Texas A&M AgriLife Research  
Texas Water Resources Institute**

**Implementing the Pecos River Watershed Protection Plan through Invasive Species Control  
(Saltcedar) and by Providing Technical and Financial Assistance to Reduce Agricultural Nonpoint  
Source Pollution**

**FY 08 CWA 319(h)  
TSSWCB Project No. 08-08**

Quarter no. 12 From 7.1.2012 Through 9.30.2012.

**I. Abstract**

Activity this quarter has focused on the continued implementation of WPP items. WQMPs continue to be developed and promoted, saltcedar leaf beetles continue to expand through project efforts and on their own and project related information continues to be disseminated across the watershed. Abnormally wet weather has prevented saltcedar debris burning as fuel moisture levels remain outside of designated burn prescription. The Upper Pecos SWCD Technician continues to enroll people for saltcedar spraying and debris burning. Additionally, the Watershed Coordinator and the Upper Pecos SWCD Technician attended numerous meetings throughout the watershed promoting the WPP and informing attendees of available opportunities.

**II. Overall Progress and Results by Task**

**TASK 1: Project Coordination and Administration**

Subtask 1.1: *TWRI will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. Extension, SWCD Technicians and TFS will collaborate with TWRI to develop QPRs. QPRs shall document all activities performed within a quarter and shall be submitted by the 15<sup>th</sup> of January, April, July and October. QPRs shall be posted on the project website and distributed to all project partners.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician submitted 12<sup>th</sup> QPR information to the Watershed Coordinator on October 10, 2012.
- B. TWRI submitted the Year 3, Quarter 4 report to TSSWCB on October 11, 2012.

**93% Complete**

Subtask 1.2: *TWRI will host coordination meetings, conference calls, or TTVN meetings with the TSSWCB Project Manager and all Project Partners at least quarterly to discuss project activities, project schedule, lines of responsibility, communication needs, 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. No formal coordination meetings were held this quarter; however, numerous phone calls

and meeting with selected members of the project team occurred this quarter.

**93% Complete**

Subtask 1.3: *TWRI will perform accounting functions for Tasks 1, 4, 5, 6 and 7 and submit appropriate reimbursement forms to TSSWCB at least quarterly. The SWCD Technicians and Bookkeepers will perform accounting functions for Task 2 and will submit appropriate Reimbursement Forms to TSSWCB at least monthly. TSSWCB will manage project funds for Task 3.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician submitted reimbursement forms to the bookkeeper.
- B. To date, a total of \$213,202 has been spent, or approximately 37% of project funding has been spent through tasks 1, 4, 5, 6 and 7.

**71% Complete**

Subtask 1.4: *TWRI will continue to host and maintain an internet website (<http://pecosbasin.tamu.edu/>) for the public dissemination of information pertaining to the implementation of the Pecos River WPP. Project partners will provide appropriate content matter for the website as needed.*

The following actions have been completed during this reporting period:

- A. Website updates were made throughout the quarter as needed.
- B. Website usage this quarter consisted of 312 individual site visits with approximately 58% of these being new visitors to the site.

**90% Complete**

Subtask 1.5: *TWRI, in collaboration with Extension, TFS, and the SWCDs, will develop, complete and submit an aggregate final report to TSSWCB at the culmination of the project. This report will be provided in electronic and hard copy format. The TSSWCB project manager will set the appropriate due dates for this task.*

The following actions have been completed during this reporting period:

- A. No Activity to report at this time.

**0% Complete**

Subtask 1.6: *TWRI will hire (Months 1-3) and oversee (Months 4-36) the Pecos River Watershed Coordinator. This position will be responsible for the general oversight and coordination of all project activities, be responsible for reporting requirements and directing educational activities, and serve as the primary conduit for interaction with landowners and entities to facilitate the implementation of the WPP. The Pecos River Watershed Coordinator shall be stationed in the watershed at Fort Stockton.*

- A. Subtask complete.

**100% Complete**

## **TASK 2: Promotion, Development and Implementation of WQMPs**

Subtask 2.1: *SWCD 213 and SWCD 235 will each hire one full-time District Technician to promote, develop, and implement WQMPs. SWCD 213 and SWCD 235 will each hire one part-time Bookkeeper to assist with project accounting functions.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician continued covering duties of both the Upper Pecos and Crockett districts.

**100% Complete**

Subtask 2.2: *To ease the development of the Final Report (Subtask 1.6), the District Technicians will submit quarterly updates to a template Final Report along with QPRs. The TSSWCB Project Manager will provide a template Final Report.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician submitted 12th QPR to the Watershed Coordinator on October 10, 2012.

**93% Complete**

Subtask 2.3: *The District Technicians will identify landowners in priority areas in the Pecos River watershed to periodically distribute notifications announcing the availability of financial and technical assistance for developing and implementing WQMPs.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician identified landowners in priority areas of the Pecos River Watershed.

**93% Complete**

Subtask 2.4: *The District Technicians will develop and distribute flyers, brochures, letters, news releases and other appropriate promotional publications to encourage participation from landowners. The TSSWCB Project Manager must approve all announcements, letters, and publications prior to distribution.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician distributed flyers and Watershed Protection Plan Overviews.
- B. The Upper Pecos SWCD Technician and Watershed Coordinator began development of a promotional display to better convey the implementation message at meetings and events.

**88% Complete**

Subtask 2.5: *The District Technicians will work with NRCS and AgriLife Extension to educate landowners and agricultural producers about water quality issues and how WQMPs and BMPs*

*address pollutant loadings from agriculture. The District Technicians will support, promote, and participate in, as appropriate, any field days, demonstrations, site tours, or education events sponsored by NRCS and/or AgriLife Extension for the Pecos River watershed.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician participated in the Range & Wildlife Management Workshop (speaker) in Ozona and the Trans-Pecos Wildlife Conference (booth) in Alpine to promote the Pecos River WPP and associated programs.

**88% Complete**

*Subtask 2.6: The District Technicians will work with organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Texas Wildlife Association (TWA), Texas Sheep and Goat Raisers Association (TSGRA) and Texas Farm Bureau (TFB), to educate their members on this opportunity to enhance the value of their operation and achieve water quality goals for the watershed at the same time. Additionally, the District Technicians will work with Irrigation Districts to educate their customers on this project.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician advertised the Pecos River WPP, WQMPs, biological control of saltcedar, and prescribed burning of saltcedar to Red Bluff WPCD, Ward CID #2, and Loving CWID#1.
- B. The Upper Pecos SWCD Technician promoted the Pecos River WPP, WQMPs, and BMPs available to landowners/cooperators at the Range & Wildlife Management Workshop on July 31, 2012 in Ozona, TX.
- C. The Upper Pecos SWCD Technician promoted the Pecos River WPP, WQMPs, and BMPs available to landowners/cooperators at the Trans-Pecos Wildlife Conference (booth) on August 2-3, 2012 in Alpine, TX.

**93% Complete**

*Subtask 2.7: The District Technicians will meet monthly with SWCDs 213 and 235, and as needed with SWCDs 224, 231, 237, and 241, in order to efficiently and effectively achieve project goals; summarize activities and achievements made throughout the course of this project; and discuss project activities, project schedule, communication needs, deliverables, and other requirements.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician met with SWCDs 227, 209, 213, 237, 231, 235, 224, and 241 during their monthly board meetings to discuss project activities including WQMP availability, the prescribed burning program, saltcedar leaf beetles, FY13 WQMP Program Rules, and the §319(h) FY13 Grant Proposal for the Pecos River Watershed.

**93% Complete**

*Subtask 2.8: The District Technicians will cooperate and communicate with landowners and entities in the Pecos River watershed in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project. Specifically, the District Technicians will, at least, participate in meetings scheduled under the*

*auspices of the WPP. The District Technicians will maintain regular communication with the TWRI Pecos River Watershed Coordinator, TFS personnel, and the selected chemical saltcedar control contractor.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician maintained communication with the TWRI Pecos River Watershed Coordinator, TFS personnel, and landowners in the Pecos River Watershed.
- B. The Upper Pecos SWCD District Technician promoted the Pecos River Watershed Protection Plan, WQMPs, and BMPs available to landowners/cooperators at the Range & Wildlife Management Workshop on July 31, 2012 in Ozona, TX.
- C. The Upper Pecos SWCD District Technician promoted the Pecos River Watershed Protection Plan, WQMPs, and BMPs available to landowners/cooperators at the Trans-Pecos Wildlife Conference (booth) on August 2-3, 2012 in Alpine, TX.

**93% Complete**

*Subtask 2.9: The District Technicians, with assistance from NRCS and TSSWCB as appropriate, will assist landowners in the development of WQMPs and associated Prescribed Grazing Plans. The District Technicians will develop at least 10 WQMPs above Girvin and 10 WQMPs below Girvin. Noting that the 10-year goal of the Pecos River WPP is to develop at least 120 WQMPs along the riparian corridor and 50 WQMPs in other portions of the watershed, the District Technicians shall strive to develop additional WQMPs beyond the minimum of 20; cost-share availability for additional WQMPs is dependent upon outcomes of Subtask 2.10.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician
  - a. Assisted landowners in the development of two WQMPs in Reeves County.
  - b. Certified practices through the WQMP program in Terrell County (3,086' fence; 1 concrete water storage facility).
  - c. Processed payment of \$12,641.58 for 9,163' fence in Pecos County.
  - d. Attended NRCS engineering training (pumping plant and water well) on August 28-29 in Fort Stockton.
  - e. Attended TSSWCB TBET training on August 30 in Temple.
- B. To date, seven WQMPs have been certified.

**70% Complete**

*Subtask 2.10: The District Technicians, with assistance from NRCS and TSSWCB, will assist landowners in the Pecos River watershed in applying for and obtaining cost-share to aid in implementation of BMPs prescribed in WQMPs. This project provides \$200,000 in CWA §319(h) funding (TSSWCB project 09-02 provides an additional \$100,000 in CWA §319(h) funding) as cost-share through the TSSWCB WQMP Program with allocations of \$100,000 to each SWCD 213 and SWCD 235. Landowners shall be eligible to receive a maximum cost-share amount of \$15,000 from the TSSWCB §319(h) funds. The maximum cost-share rate shall not exceed 60% of the cost of implementation of the BMPs. The remaining 40% will be provided by the landowner. Cost-share will be based on actual cost not to exceed average cost of the practice.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician assisted landowners in applying for and obtaining cost-share in Pecos and Terrell Counties.
- B. To date, \$34,977.21 has been reimbursed to producers and an additional \$42,731.55 is obligated to producers.

**70% Complete**

*Subtask 2.11: The District Technicians will prioritize WQMP development and cost-share applications consistent with the priority areas identified in the Pecos River WPP. Specifically, priority shall be given for operations nearest to the Pecos River or major tributaries and those lands where chemical saltcedar control and follow-up debris removal has been conducted.*

The following actions have been completed during this reporting period:

- A. The 9 SWCDs participating in the Pecos River Watershed Protection Plan defined the two top priorities for WQMP financial assistance eligibility:
  - Tier 1: Priority will be given to applicants requesting funds for land adjacent to the Pecos River on a first come, first served basis.
  - Tier 2: Priority will be given to applicants requesting funds for land adjacent to a major tributary of the Pecos River.

**100% Complete**

*Subtask 2.12: The District Technicians will assist landowners with WQMPs in acquiring financial assistance through USDA administered federal Farm Bill Programs, including but not limited to, the Environmental Quality Incentives Program (EQIP) 1) county-level funding based on resource concern priorities established by Local Work Groups and 2) any applicable State Resource Concerns], the Grasslands Reserve Program (GRP), and the Agricultural Water Enhancement Program (AWEP).*

The following actions have been completed during this reporting period:

- A. No new activity to report this quarter.

**60% Complete**

*Subtask 2.13: The District Technicians will conduct annual status reviews on all WQMPs developed and certified through the course of this project and any existing WQMPs (certified prior to this project) in the Pecos River watershed to ensure that the landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The District Technicians will document any follow-up technical assistance needed or necessary modifications to the WQMP implementation schedule.*

The following actions have been completed during this reporting period:

- A. No activity to report at this time.

**0% Complete**

*Subtask 2.14: The District Technicians will track utilization of obligated cost-share funds and, with assistance from TSSWCB and NRCS, will assist landowners in utilizing obligated cost-share funds on schedule.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician tracked utilization of obligated cost-share funds in Pecos and Terrell Counties. The District Technician assisted landowners/cooperators in utilizing obligated cost-share funds on schedule

**30% Complete**

*Subtask 2.15: The District Technicians will create spreadsheets and maps describing and showing the location of all WQMPs developed and BMPs implemented through the project. These maps will not reveal the identity or exact location of any producer.*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD District Technician continues to create maps and spreadsheets describing and showing the location of certified WQMPs and BMPs implemented.

**45% Complete**

### **TASK 3: Chemical Control of Saltcedar**

*Subtask 3.1: The District Technicians will obtain permission to spray saltcedar, conduct debris removal (Task 5) and re-vegetation efforts. The SWCD 213 District Technician will work in the Pecos River, between Interstate-20 and Girvin, TX; and the SWCD 235 District Technician will work below Girvin down to the confluence with the Rio Grande. The District Technicians will also collect GPS coordinates of areas where chemical treatment will not be applied (e.g., sensitive areas, where permission is not obtained, or in areas where biological control is implemented).*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician have obtained permission to spray saltcedar and are continuing to obtain permission to conduct debris burns along the Pecos River and its tributaries.

**92% Complete**

*Subtask 3.2: The District Technicians will send out notifications to landowners describing goals and asking for landowner cooperation. The letter will be accompanied by approved technical documents that illustrate the benefits of treating saltcedar. Contact information for the District Technician will be included. Verbal contact with the landowners that are not receptive to written communication will be made. The District Technicians will continue to promote participation in chemical treatment of saltcedar throughout the duration of the project.*

The following actions have been completed during this reporting period:

Subtask Complete

**100% Complete**

*Subtask 3.3: TSSWCB will take bids from qualified aerial herbicide applicators experienced in strategically applying pesticides to sensitive areas using helicopters and GPS coordinates to treat selected saltcedar. The budget allows for chemical treatment at \$220 per acre.*

The following actions have been completed during this reporting period:

Subtask Complete

**100% Complete**

*Subtask 3.4: TSSWCB will contract with the selected applicator (Subtask 3.3) (chemical saltcedar control contractor) to treat an estimated 1,422 acres of saltcedar in segment 2311 of the Pecos River, between Interstate-20 and Girvin, TX and an estimated 353 acres of saltcedar in segments 2311 and 2310 of the Pecos River, between Girvin, TX and the Val Verde County line with Arsenal<sup>TM</sup> (Imazapyr) herbicide or a comparable generic version. The herbicide will be applied by helicopter in a selective manner using GPS guidance technology, to control saltcedar and having little or no effect on desirable plants and wildlife. General areas to be sprayed were developed from low-level, high-resolution aerial photography that was digitized and converted to GIS shapefiles. Areas will be ground-truthed by the District Technicians prior to initiating spraying. These files will be loaded into the helicopter's GPS system and will dictate where herbicide is applied.*

The following actions have been completed during this reporting period:

Subtask Complete

**100% Complete**

*Subtask 3.5: The District Technicians will be onsite with the TSSWCB contractor during aerial pesticide application to observe and document (Observation Checklist) the following: 1) chemical mixture, 2) chemical application, 3) treatment acreage, and 4) weather conditions.*

The following actions have been completed during this reporting period:

Subtask Complete

**100% Complete**

**TASK 4: Biological Control of Saltcedar**

*Subtask 4.1: Extension will coordinate site selection with the saltcedar spraying and debris removal efforts (Tasks 3 & 5) so that these areas do not overlap with biological control areas.*

The following actions have been completed during this reporting period:

- A. Efforts continue to be made to ensure that burning areas and beetle release sites do not coincide.

**90% Complete**

*Subtask 4.2: Extension will establish at least 10 release sites across the watershed. Beetles will be placed in protective enclosures and the beetle populations will be allowed to go through one regeneration cycle before being released.*

The following actions have been completed during this reporting period:



- A. Beetle populations have naturally expanded rapidly this summer and largely precluded the need to manually introduce beetles to a new area.
- B. Several beetle populations have been augmented with additional beetles.

**75% Complete**

Subtask 4.3: *Extension will track and document the location of biological control sites and leaf beetle release dates and the subsequent acres of defoliated saltcedar on each site. Extension will create GIS maps showing the location of release sites and defoliated acres at each site.*

The following actions have been completed during this reporting period:

- A. The ability to track the movement of individual beetle colonies has been precluded by the rapid rise in the beetle population and their natural dispersal and subsequent intermingling of populations.
- B. GIS maps are updated as new beetle locations are discovered.

**60% Complete**

#### **TASK 5: Prescribed burning for saltcedar debris removal**

Subtask 5.1: *TFS will coordinate with the District Technicians to obtain permission for debris burning activities from private landowners (Subtask 3.1).*

The following actions have been completed during this reporting period:

- A. The Upper Pecos SWCD Technician coordinated with TFS to obtain permission for debris burning activities.

**60% Complete**

Subtask 5.2: *TFS will draft the appropriate prescribed burn plans.*

The following actions have been completed during this reporting period:

- A. TFS has developed burn plans on areas where burning is planned in the near future.

**30% Complete**

Subtask 5.3: *TFS will work with the District Technicians to inform landowners of scheduled prescribed burns. Where practical, landowners and local prescribed burning organizations shall be involved in burning activities.*

The following actions have been completed during this reporting period:

- A. TFS has been working directly with landowners to notify them of their intent to burn.

**30% Complete**

Subtask 5.4: *TFS will conduct prescribed burning on standing dead saltcedar that has been chemically treated prior to this project along the main channel of the river, between Girvin, TX and the confluence of the Pecos River and Independence Creek, or about 138 river miles. As stated in the WPP, at least 3 years should have transpired between chemical treatments and*

*prescribed burning in order to achieve the most effective kill rate of saltcedar and the most effective degree of debris removal. Controlled burns will only be conducted in areas where landowners have given permission for these activities to be carried out.*

The following actions have been completed during this reporting period:

- A. No activity to report at this time.
- B. Burning continues to be hampered in 2012 by wetter than normal conditions that have led to fuel moisture contents outside of the range specified in written burn plans.
- C. Much of the watershed received ample rain during September 28-30 with rainfall totals ranging from about 1.5 inches to over 7 inches.
- D. It is now anticipated to be after the first freeze before the burn prescription is met.

**0% Complete**

### **TASK 6: Support and Facilitation of WPP Implementation, Education and Tracking**

*Subtask 6.1: Extension will engage and facilitate Pecos River watershed landowners and other entities identified in the Pecos River WPP and work in cooperation with partner agencies to implement the Pecos River WPP. Extension will facilitate and host meetings of the landowners and partner agencies as needed, likely semi-annually at multiple locations across the watershed.*

The following actions have been completed during this reporting period:

- A. The Watershed Coordinator and Upper Pecos SWCD Technician participated in and promoted the Pecos River WPP and its implementation at the Trans-Pecos Wildlife Conference in Alpine on August 2<sup>nd</sup> and 3<sup>rd</sup>.
- B. The Watershed Coordinator and Upper Pecos SWCD Technician collaborated in drafting the FY13§319(h) Grant Proposal. The Technician also discussed the proposal and sought input from SWCDs, Red Bluff WPCD, water improvement districts, irrigation districts, and landowners/producers within the watershed.

**93% Complete**

*Subtask 6.2: Extension will assist governmental and non-governmental organizations in the Pecos River WPP, in identification and acquisition of resources (financial and technical) to enable WPP implementation. Extension will actively seek and pursue funding opportunities and work with partners to develop grant proposals.*

The following actions have been completed during this reporting period:

- A. Discussions were continued this quarter to gain local support and seek guidance on what WPP items future funding should be sought for.
- B. The Watershed Coordinator met with Red Bluff WPCD, Upper Pecos SWCD, and the Trans-Pecos SWCD this quarter to discuss WPP implementation.
- C. The Watershed Coordinator and Upper Pecos SWCD Technician collaborated in drafting the FY13§319(h) Grant Proposal. The Technician also discussed the proposal and sought input from SWCDs, Red Bluff WPCD, water improvement districts, irrigation districts, and landowners/producers within the watershed.

### **75% Complete**

Subtask 6.3: *Extension will evaluate progress toward achieving milestones established in the WPP. Extension will publish an addendum to the Pecos River WPP that describes modifications/updates to goals and milestones, explains new understandings of sources and cause of water quality issues, documents success in achieving goals and milestones and success in achieving water quality improvement and load reductions at least biennially. As the WPP was published in October 2008, this biennial addendum would most appropriately be published around October 2010, or soon thereafter.*

The following actions have been completed during this reporting period:

- A. Work on the Pecos WPP Addendum continued this quarter. Results of the DO Modeling project are being awaited.

### **35% Complete**

Subtask 6.4: *Extension will facilitate and coordinate education and outreach activities as identified in the Pecos River WPP. Extension will develop and distribute press releases when warranted. Specifically, Extension will collaborate with NRCS and SWCDs to host workshops, field days, demonstrations, site tours, or other education events focused on each of the following topics:*

- *Texas Watershed Steward Program (2 events)*
- *Lone Star Healthy Streams Program (2 events)*
- *Nutrient Management (2 events)*
- *Wildlife Management (3 events)*
- *Crop Management (2 events)*
- *Irrigation Management (3 events)*
- *Feral Hog Management (2 events)*

The following actions have been completed during this reporting period:

- A. A Wildlife Management workshop was held in Ozona on July 31<sup>st</sup> where the Upper Pecos SWCD Technician discussed WPP implementation and landowner opportunities.
- B. The Trans-Pecos Wildlife Conference was held in Alpine on August 2<sup>nd</sup> and 3<sup>rd</sup> and was well attended by watershed residents. Topics ranging from the recently discovered CWD to habitat management to water resources were discussed.

### **75% Complete**

Subtask 6.5: *Extension will provide information to IBWC for inclusion in the Clean Rivers Program Basin Summary Report and Basin Highlights Report. Extension shall participate in IBWC-sponsored meetings of the Clean Rivers Program Basin Advisory Committee.*

The following actions have been completed during this reporting period:

- A. No activity to report this quarter.

### **75% Complete**

Subtask 6.6: *Extension will develop and publish a semi-annual newsletter that is designed to keep landowners and entities informed of ongoing WPP implementation activities and other relevant information. The newsletter shall be distributed as most appropriate to individual landowners and entities in the watershed.*

The following actions have been completed during this reporting period:

- A. No activity to report this quarter.

**70% Complete**

Subtask 6.7: *The Watershed Coordinator will make deliberate efforts to increase awareness of the WPP and secure implementation support thereof from county and municipal governments, and irrigation districts throughout the watershed, as well as, the Red Bluff Water and Power Control District. The Watershed Coordinator will also work with the Pecos River Compact Commission and the New Mexico Environment Department (NMED) to explore mechanisms to influence the implementation of management measures in New Mexico that have positive effect to the Pecos River in Texas.*

The following actions have been completed during this reporting period:

- A. The Watershed Coordinator and Upper Pecos SWCD Technician have attended numerous public meeting throughout the watershed and updated meeting participants on project activities.
- B. The Watershed Coordinator participated in a meeting of the Pecos River Water Quality Coalition. This group consists of representative from TCEQ, TSSWCB, TWDB, USGS, USACE, the Pecos River Watershed Coordinator, the Pecos River Compact Commission, Red Bluff WPCD and others.

**93% Complete**

### **TASK 7: Compilation of Surface Water Quality Monitoring Data**

Subtask 7.1: *Extension will maintain and update Red Bluff release and delivery databases. USGS gaging station discharge data and TCEQ Clean Rivers Program water quality and streamflow data from established monitoring sites will be updated and maintained in existing databases by Extension. This task will build upon the existing water quality database developed under TSSWCB project 04-11.*

The following actions have been completed during this reporting period:

- A. The Pecos River data viewer was updated as appropriate this quarter.

**75% Complete**

Subtask 7.2: *Extension will collaborate with IBWC to assess water quality data collected through the Clean Rivers Program and other projects in relation to achieving load reductions described in the WPP.*

The following actions have been completed during this reporting period:

- A. Work to assess water quality trends pre and post-WPP implementation is underway. These analyses will be incorporated into the WPP addendum.

**30% Complete**

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

Adverse weather conditions continue to plague efforts to burn saltcedar debris along the river. Frequent rains have made moisture conditions higher than the burn plans allow.

Saltcedar leaf beetles are aggressively attacking saltcedar throughout the watershed and populations seem to be expanding nicely.

A workplan revision allowing a private burn contractor to be sought was submitted this quarter.

### **IV. Projected Work for Next Quarter**

- Continue to work on certifying WQMP practices installed and processing payment for certified practices.
- Secure additional WQMPs.
- Conduct WQMP status reviews.
- Advertise program availability to landowners in priority areas.
- Attend monthly board meetings with SWCD #s 213 and 235 and as necessary attend board meetings with SWCD#s 241, 231, 230, 209, 227, 237, and 224.
- Enroll additional landowners/cooperators in the debris removal program.
- The SWCD Technician will send shape files to TFS for burning of dead debris
- The SWCD Technician will encourage producers to complete cost share practices in a timely manner.
- The Watershed Coordinator will continue to engage watershed landowners, work on developing the WPP addendum and coordinate planning for future WPP Implementation with watershed landowners.
- TWRI will continue to update the Pecos Basin Website to keep the public aware of activities in the watershed.

### Certified WQMP Summary Sheet

Pecos River WPP/§319(h) Grant

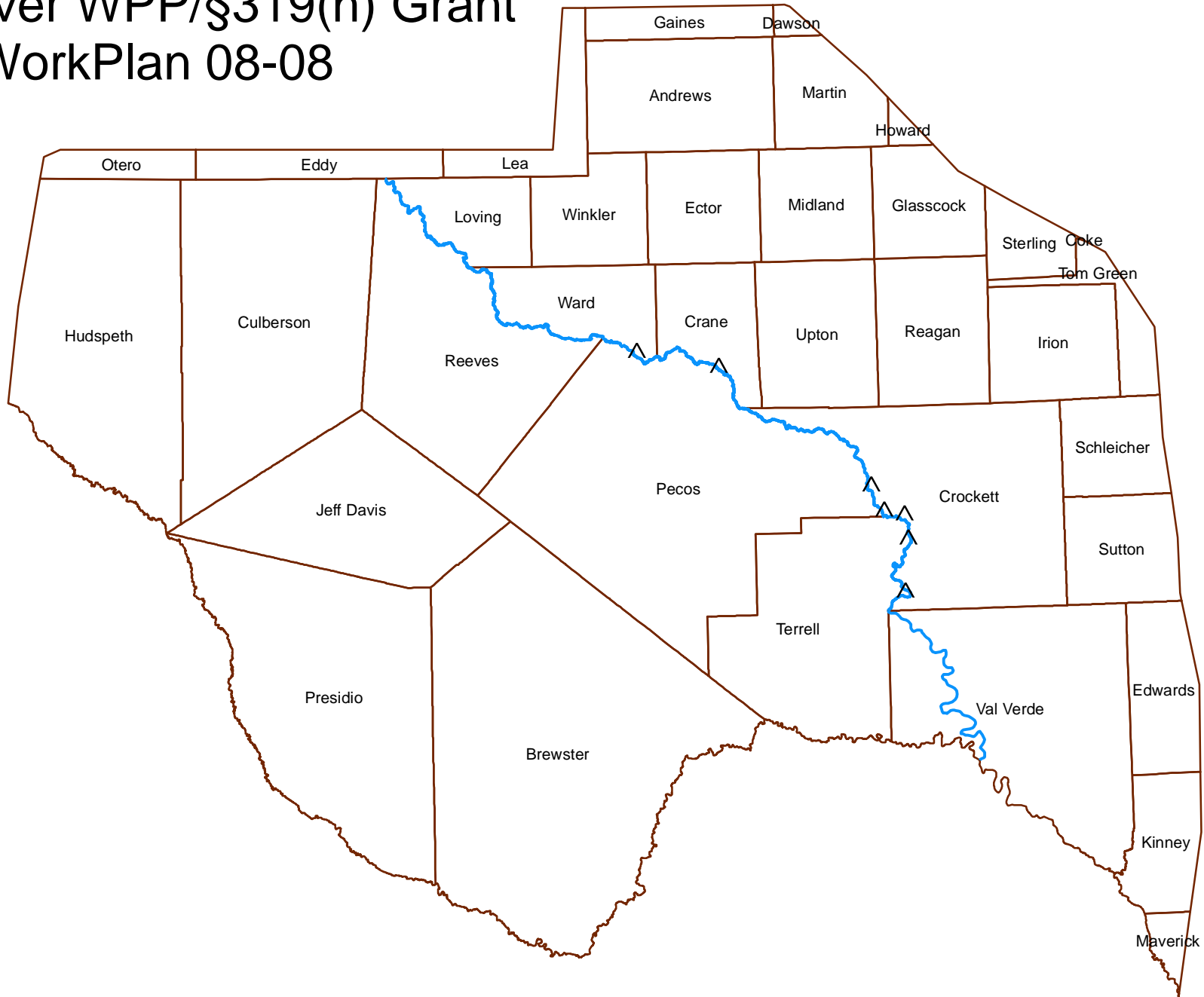
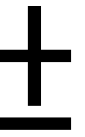
WorkPlan 08-08

WQMP #	County	Cost-Share		Certified Practices
		Obligated	Reimbursed	
235-11-001	Crockett		\$7,335.63	495' well; 1 storage tank; 1 trough
235-11-004	Crockett		\$15,000.00	4 WSF; 5,629.8' pipeline; 2,316' pipeline
235-11-003	Crockett		\$0.00	N/A
237-11-005	Terrell	\$12,731.55		
231-11-001	Pecos		\$12,641.58	9,163' fence
231-12-002	Pecos	\$15,000.00		
237-12-008	Terrell	\$15,000.00		
	<b>TOTAL</b>	<b>\$42,731.55</b>	<b>\$34,977.21</b>	

Updated 10/04/2012

# Certified WQMPs

## Pecos River WPP/§319(h) Grant WorkPlan 08-08



### Legend

^ Certified WQMP

— Pecos River

Updated 10/04/2012