

**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. 16 From 7.1.2013 Through 9.30.2013

**I. Abstract**

Activity this quarter has focused on the concluding implementation of WPP items funded through this project. The last of the WQMPs certified were paid and the final payment for saltcedar debris burning was made. Saltcedar leaf beetles have continued their expansion across the watershed and are defoliating saltcedar in a variety of locations. Beetles can now be found into New Mexico along the Pecos and Rio Grande. The draft WPP Update was completed this quarter and is in the process of being printed. Education and outreach continued with the delivery of information to landowners on crop/nutrient management, water resource concerns and management, toxic weed management, rainwater harvesting, prescribed burning and oil and gas land stewardship through Extension programming.

**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 16<sup>th</sup> QPR information to the Watershed Coordinator on September 30, 2013.
- B. TWRI submitted the Year 4, Quarter 4 report to TSSWCB on October 10, 2013.
- C. Task complete.

**100% 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 meetings with selected members of the project team occurred this quarter.
- B. Task complete.

**100% 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 and all reimbursements were made.
- B. As of September 5, 2013, a total of \$578,824 has been spent, or approximately 99% of project funding has been spent through tasks 1, 4, 5, 6 and 7.
- C. Task will be completed by the end of the grant.

**100% 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 268 individual site visits with approximately 66% of these being new visitors to the site.
- C. Task complete; however the project website will be kept up and running beyond this project.

**100% 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. The draft Pecos WPP Update has been completed and is in the publication process. Additionally, a draft final report has been sent to the TSSWCB PM for review.

B. Task complete.

**100% 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.
- B. Task complete.

**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. Task complete.

**100% 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 and continues to promote WQMPs to these landowners.
- B. Task complete.

**100% 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. No activity to report this quarter.
- B. Task complete.

**100% 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. No activity to report this quarter.
- B. Task complete.

**100% 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. No activity to report this quarter.
- B. Task complete.

**100% 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 213, 241, 231, and 235 during their monthly board meetings to discuss project activities including WQMPs and the prescribed burning program.
- B. Task complete.

**100% 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 and landowners in the Pecos River Watershed.
- B. Task complete.

**100% 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. In total 16 WQMPs were certified through this project. The 20 WQMP goal was not achieved due to lack of landowner interest.
- B. Task complete.

**100% 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. In total, \$140,509.85 was reimbursed to landowners through this project.
- B. Task complete.

**100% 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. Task complete.

**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. Task complete.

**100% 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. Task complete.

**100% 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. Task complete.

**100% 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. Task complete; see attached.

**100% 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. Task complete.

**100% 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:

A. 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:

A. 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:

A. 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:

- A. 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. Task complete.

**100% 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. Beetles have dispersed farther than anticipated on their own. For all intents and purposes, the beetles are considered established across the entire watershed. See attached map.
- B. Task complete.

**100% 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; however, efforts to document where beetles are observed have continued.
- B. In June, beetle damage was noted in and around Balmorhea, Coyanosa, Girvin, Imperial, Iraan, and Pecos.
- C. The need for beetle tracking has been described in the draft WPP addendum.
- D. Task complete.

**100% 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 continued to coordinate with landowners to obtain permission for debris burning activities.
- B. The Upper Pecos SWCD Technician verified the continued interest of enrolled landowners in the debris burning program and informed them that Global Frontline Solutions is under contract and would begin conducting burns this quarter.
- C. The Upper Pecos SWCD Technician notified enrolled landowner's whose saltcedar was not burned that available funds have been expended and that their property's will not be burned under the existing contract.
- D. Task complete, but the Upper Pecos SWCD Technician will continue to obtain permission from producers as interest is expressed.

**100% 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 opted out of their role in the project.
- B. Work planned under this task has been transferred to Subtask 5.5.

**0% 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 opted out of their role in the project.
- B. The Upper Pecos SWCD Technician informed landowners of Global Frontline Solutions' anticipated schedule. The District Technician observed Global Frontline Solutions conduct prescribed burns.
- C. Task complete.

**100% 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. TFS has opted out of their role in the project and will not conduct any prescribed burns.
- B. Work planned under this task has been transferred to Subtask 5.5.

**0% Complete**

*Subtask 5.5: Upon completion of the bid process, the selected contractor will begin developing burn plans on properties where landowners have requested debris burning. All preparations and burning activities will be coordinated with the landowner, TFS, SWCD Technician, the Watershed Coordinator and Extension Entomologists.*

The following actions have been completed during this reporting period:

- A. Task complete.

**100% Complete**

*Subtask 5.6: 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. Task complete.

**100% 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, AgriLife Research and Extension, UPSWCD and TSSWCB hosted a landowner meeting July 27<sup>th</sup> to discuss data collection under TSSWCB Project 12-11.
- B. Task complete.

**100% 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. The Watershed Coordinator has been working with several groups and entities in the watershed to document resource needs in the Pecos WPP Update.
- B. Funding opportunities continued to be sought; however, no fitting opportunities were identified.
- C. The watershed coordinator attended the Rio Grande Basin watershed coordination meeting hosted by USACE in Albuquerque to discuss assessment and implementation needs in the Pecos River on September 17 & 18<sup>th</sup>. Should Congress fund the Water Resources Development Act, this will open the door for funding through this avenue.
- D. Task complete.

**100% 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. Comments received on the Pecos River WPP Update were addressed and this document is now being published.
- B. Task complete.

**100% 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. The Texas Well Owner Network program will be delivered October 22 in Fort Stockton.
- B. AgriLife Extension hosted programs in the watershed that focused on crop and nutrient management, water resource management, toxic plant management, livestock management, rainwater harvesting, prescribed burning and oil/gas land stewardship.

**100% 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 new activity to report.

**100% 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. The draft of the July 2013 Newsletter was delivered as planned.
- B. Task complete.

**100% 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 has maintained contact with Red Bluff Water Power and Control District Staff, the Pecos River Compact Commissioner's office in Texas and individual landowners.
- B. The watershed coordinator attended the Rio Grande Basin watershed coordination meeting hosted by USACE in Albuquerque to discuss assessment and implementation needs in the Pecos River on September 17 & 18<sup>th</sup>. Should Congress fund the Water Resources Development Act, this will open the door for funding through this avenue.
- C. The Watershed Coordinator participated in a meeting of the Pecos River Water Quality Coalition on August 2<sup>nd</sup>.
- D. Task complete.

**10% 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.
- B. Task complete.

**100% 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. A water quality assessment was completed in association with the Pecos WPP Update and will be published in that document.
- B. Task complete.

**100% Complete**

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

- Drought has lessened its grip on the watershed since last quarter as both Texas and New Mexico received considerable rains in September. A

**U.S. Drought Monitor**

July 9, 2013  
Valid 7 a.m. EST

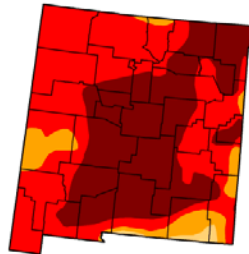
**New Mexico**

	Drought Conditions (Percent Area)				
	None	D0-D4	D1-D4	D2-D4	D3-D4
Current	0.00	100.00	100.00	98.92	90.91
Last Week (07/02/2013 mes)	0.00	100.00	100.00	90.92	92.58
3 Months Ago (04/09/2013 mes)	0.00	100.00	98.68	93.30	58.73
Start of Calendar Year (01/01/2013 mes)	0.00	100.00	98.83	94.05	31.08
Start of Water Year (09/01/2012 mes)	0.00	100.00	100.00	62.56	12.25
One Year Ago (07/09/2012 mes)	0.00	100.00	99.79	85.70	25.88

**Intensity:**  
■ D0 Abnormally Dry     ■ D3 Drought - Extreme  
■ D1 Drought - Moderate     ■ D4 Drought - Exceptional  
■ D2 Drought - Severe

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

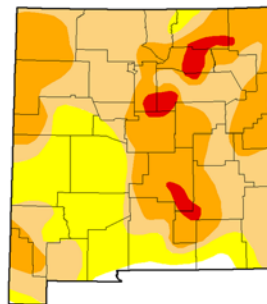
<http://droughtmonitor.unl.edu>



USDA, NCEM, NCEM, NCEM, NCEM  
 Released Thursday, July 11, 2013  
 National Drought Mitigation Center.

**U.S. Drought Monitor**  
**New Mexico**

October 8, 2013  
(Released Thursday, Oct. 10, 2013)  
Valid 7 a.m. EDT



**Intensity:**  
■ D0 Abnormally Dry  
■ D1 Moderate Drought  
■ D2 Severe Drought  
■ D3 Extreme Drought  
■ D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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USDA, NCEM, NCEM, NCEM, NCEM  
<http://droughtmonitor.unl.edu/>

**U.S. Drought Monitor**  
Texas

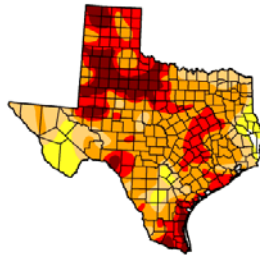
July 9, 2013  
Valid 7 a.m. EDT

	None	Drought Conditions (Percent Area)				
		D0-D1	D1-D2	D2-D3	D3-D4	
Current	0.58	99.42	91.80	75.22	34.70	12.20
Last Week (07/02/2013 map)	1.23	98.77	87.13	68.67	32.63	12.20
3 Months Ago (04/09/2013 map)	0.44	99.56	88.44	68.35	29.91	11.56
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.00	11.90
Start of Water Year (06/25/2012 map)	0.13	90.87	78.73	67.41	24.91	5.18
One Year Ago (07/09/2012 map)	2.65	97.35	78.78	36.79	8.77	0.00

**Intensity:**  
■ D0 Abnormally Dry  
■ D1 Drought - Moderate  
■ D2 Drought - Severe  
■ D3 Drought - Extreme  
■ D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

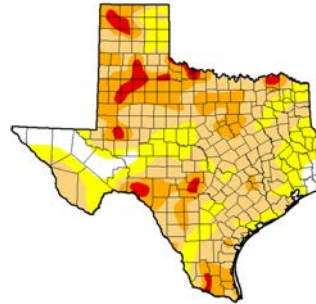
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USDA  
 National Drought Mitigation Center  
 Released Thursday, July 11, 2013

**U.S. Drought Monitor**  
Texas

October 8, 2013  
(Released Thursday, Oct. 10, 2013)  
Valid 7 a.m. EDT



**Intensity:**  
■ D0 Abnormally Dry  
■ D1 Drought - Moderate  
■ D2 Drought - Severe  
■ D3 Drought - Extreme  
■ D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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 USDA  
 National Drought Mitigation Center  
<http://droughtmonitor.unl.edu>

Upper Pecos River near Santa Rosa, NM during rains September 6 -10, 2013



**IV. Projected Work for Next Quarter**

- None. Project completed.

**Attachments**

- Certified WQMP Summary Sheet
- Saltcedar Leaf Beetle Distribution Map

**Certified WQMP Summary Sheet**  
Pecos River WPP/§319(h) Grant  
Work Plan 08-08

WQMP #	County	Cost-Share Reimbursed	Certified Practices
235-11-001	Crockett	\$7,335.63	495' well; 1 PE WSF; 1 conc. trough
235-11-004	Crockett	\$15,000.00	7,945.8' pipeline; 4 FG WSF
235-11-003	Crockett	N/A	N/A
237-11-005	Terrell	\$10,052.29	3,086' fence; 1 conc WSF
231-11-001	Pecos	\$12,641.58	9,163' fence
231-12-002	Pecos	N/A	N/A
237-12-008	Terrell	\$15,000.00	19,524' fence
213-13-005	Reeves	N/A	N/A
213-13-006	Reeves	\$9,820.15	8,627' fence
241-13-008	Crane/Ector	\$15,000.00	12,103.4' fence
209-13-007	Jeff Davis	\$13,836.14	1 PE WSF, 10,245.2' pipeline, 1 1.5 HP elec. pump
213-13-010	Reeves	\$10,445.92	9,336.0' fence
241-13-011	Crane	\$14,173.14	3,998.7' fence, 4 FG troughs, 1 solar pump
235-13-012	Crockett	N/A	N/A
235-13-013	Crockett	\$15,000.00	12,251.9' fence
241-13-014	Ector	\$2,205.00	3 FG troughs
<b>TOTAL</b>		<b>\$140,509.85</b>	

Updated 09/30/2013

