

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

**Pecos River Basin Assessment Program
FY04 CWA Section 319(h)
TSSWCB Project No. 04-11**

Quarter no. 15 From 4/01/08 Through 6/30/08

I. Abstract

The majority of work conducted this quarter has focused on making revisions to the WPP. Several revisions have been made based on comments from the TSSWCB's initial review; more revisions will likely be made during the next quarter after TSSWCB's review is complete. The year 3 annual report has been completed and is now posted to the project website. Work also continued on the Economic Modeling of the watershed to evaluate the impacts of water quality improvements across the watershed. The final report for this subtask was also initiated. It is anticipated that TSSWCB will return their final comments on the WPP early in the next quarter and that those comments will be addressed before the end of the next quarter.

II. Overall Progress and Results by Task

TASK 1: Basin Assessment

Subtask 1.1: Aerial Photography, Delineation, and Characterization

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete

Subtask 1.2: Historical Water Quality, Irrigation Delivery, Rainfall, Red Bluff Lake Levels, and Groundwater Monitoring

The following actions have been completed during this reporting period:

- a. This subtask is completed

100% Complete

Subtask 1.3: Aquatic Life and Habitat Inventory

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete*Subtask 1.4: Identify and Characterize the Volume and Quality of Tributaries and Springs*

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete*Subtask 1.5: Identify and Characterize Saline Water Sources Entering the Pecos River*

The following actions have been completed during this reporting period:

- a. This subtask is completed

100% Complete*Subtask 1.6: Simulate Flow and Salinity of the Pecos River for Evaluating River Management Options*

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete*Subtask 1.7: Economic Modeling of the Pecos River Basin and Assessment of Saltcedar Control Activities*

The following actions have been completed during this reporting period:

- a. Work on the IMPLAN model of the Pecos River basin economy has continued during the quarter. Adjustments are being made to accurately represent the impact of some of the higher value horticultural crops produced within the basin (pecans, melons, onions and potatoes).
- b. Drafting of the subtask final report was begun.

50% Complete**Task 2: Educational Programming**

Subtask 2.1: Publish Written Informational Materials to Educate Private Landowners, Stakeholders, and Policy Makers about the Pecos River basin and the effects of saltcedar

The following actions have been completed during this reporting period:

- a. After TSSWCB reviews the WPP, it will be printed and made available to the public. We anticipate that this will happen during the next quarter.

98% Complete

Subtask 2.2: Educational Meetings of Interested Parties for Input and Organizational Support

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete

Subtask 2.3: Develop a Website for Dissemination of Information

The following actions have been completed during this reporting period:

- a. Ongoing activities and updates were posted to the project website.

99% Complete

Task 3: Establish a Monitoring Program

Subtask 3.1: Develop a QAPP for Sampling Protocol

The following actions have been completed during this reporting period:

- a. This subtask is completed.

100% Complete

Subtask 3.2: Water Quality Monitoring, including Total Dissolved Solids (TDS), Total Suspended Solids, Potential Hydrogen (pH), Dissolved Oxygen (DO), and Electrical Conductivity (EC)

The following actions have been completed during this reporting period:

- a. Routine water quality samples were collected as part of the Texas Clean Rivers Program.

99% Complete

Subtask 3.3: Quantity and Fate of Water Salvage as a Result of Saltcedar Control

The following actions have been completed during this reporting period:

- a. This subtask is completed

100% Complete

Task 4: Watershed Protection Plan

Subtask 4.1: Develop Annual Reports and a Final Report Summarizing Basin Assessment, Educational Programming, and Monitoring

The following actions have been completed during this reporting period:

- a. The year 3 annual report has been developed and submitted to the TSSWCB.
- b. Work on the Final report will begin and should be completed this quarter.

95% Complete

Subtask 4.2: Produce the Final Watershed Protection Plan for Pecos River Segments 2312, 2311, and 2310

The following actions have been completed during this reporting period:

- a. The 3rd draft of the WPP was released to the public and submitted to TSSWCB for their review on March 24th.
- b. TWRI has addressed some comments that TSSWCB has and will revise the document accordingly once TSSWCB's final review is complete.

85% Complete

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

- a. A proposal to implement portions of the Pecos Watershed Protection Plan was submitted to TSSWCB for funding consideration on February 15th. Word on the outcome of this submission should come early in the next quarter.

IV. Projected Work for Next Quarter

The following will be accomplished during the coming quarter:

Subtask 1.1 – No activities planned. This subtask is complete.

Subtask 1.2 – No activities planned. This subtask is complete.

Subtask 1.3 – No activities planned. This subtask is complete.

Subtask 1.4 – No activities planned. This subtask is complete.

Subtask 1.5 – No activities planned. This subtask is complete.

Subtask 1.6 – No activities planned. This subtask is complete.

Subtask 1.7 – Further work on production budgets to include cantaloupes and onions, grain and forage sorghum and wheat. The subtask final report will be completed.

Subtask 2.1 – The final version of the WPP will be announced and posted to the project website upon its completion.

Subtask 2.2 – No activities planned. This subtask is complete.

Subtask 2.3 – Post updates and documents to the project website.

Subtask 3.1 – No activities planned. This subtask is complete.

Subtask 3.2 – Routine water quality samples will be collected as part of monitoring activities carried out through the Texas Clean Rivers Program.

Subtask 3.3 – No activities planned. This subtask is complete.

Subtask 4.1 – The year 3 annual report will be finalized and posted to the website. Work on the Final Report will also be initiated.

Subtask 4.2 – Comments on the WPP should be received from TSSWCB early in the next quarter. Upon their receipt, these comments will be addressed and the WPP will then be sent to USEPA for their review.