

**Development of a Watershed Protection Plan
for Geronimo Creek**

Guadalupe-Blanco River Authority
FY09-11 CWA Section 319(h)
Project No. 08-06

Quarterly Report Number 10

Covering work accomplished April through June, 2011

July 15, 2011

I. Abstract

Many administrative tasks, meetings and planning activities occurred during the reporting period. A Partnership meeting was held in June in Seguin. Sections of the draft Watershed Protection Plan were written by Texas AgriLife Extension and sent to GBRA and TSSWCB for review and comment.

II. Overall Progress and Results by Task

TASK 1: Project Administration and Coordination

Subtask 1.1: The GBRA will prepare electronic quarterly progress reports for submission to TSSWCB. Progress reports shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. All progress reports will be posted to the project website and provided to all project partners.

- GBRA prepared the progress report for October 2010 through December 2010 and submitted the report on April 11, 2011.

90% complete – On-going

Subtask 1.2: GBRA will perform accounting functions for project funds and will submit appropriate reimbursement forms to TSSWCB at least quarterly.

- GBRA submitted the invoice for January through March 2011 on April 28, 2011.

80% complete – On-going

Subtask 1.3: GBRA will host coordination meetings or conference calls with TSSWCB and any subcontractors as appropriate, at least quarterly to discuss project activities, project schedule, communication needs, deliverables, and other requirements.

- GBRA, in consultation with Texas AgriLife Extension, prepared and

submitted a CWA Section 319 grant proposal to TSSWCB that will fund water quality monitoring, outreach and education and, facilitation and technical assistance of the Geronimo Creek Partnership for two years.

- Tuesday, April 26, 2011-GBRA participated in a conference call with AgriLife and TSSWCB to whether to hold a meeting in May. The decision was made to not hold a partnership meeting in May, allowing more time for review of the draft sections of the report.
- Monday, May 9, 2011 and May 23, 2011- GBRA and AgriLife discussed edits to 2011 grant proposal.
- May 10, 2011 – GBRA worked on edits to the budget of the 2011 grant proposal.
- May 2011 – reviewed sections of draft report, draft presentations, news releases.
- Wednesday, May 25, 2011 – GBRA, AgriLife and TSSWCB met by conference call to discuss whether to hold a meeting in June.
- June 9-10, 2011 – reviewed sections of draft report; called AgriLife to discuss.
- June 9-13, 2011 – GBRA and AgriLife Extension made calls to each steering committee member to remind them about the June 14 meeting.
- June 14, 2011 – Geronimo Creek Watershed Partnership meeting held at GBRA River Annex. Agenda, presentation and sign in sheet included with progress report.
- June 17 and 21, 2011 – GBRA and AgriLife Extension discussed options for presentations at the July meeting. Discussed TPWD Urban Biologist for next meeting.
- GBRA’s Public Communication and Education Coordinator gave presentations to schools in the watershed, covering macroinvertebrates in Geronimo Creek, water quality and the watershed protection plan. Schools included:
 - Breisemeister Middle School – Seguin
 - Barnes Middle School – Seguin
 - Seguin Outdoor Learning Center – 4-day Earth Day Event

80% complete – On-going

TASK 2. Quality Assurance

Subtask 2.1: GBRA will develop a quality assurance project plan (QAPP) for activities in tasks 3 and 4, consistent with *EPA Requirements for Quality Assurance Project Plans (QA/R-5)* (May 2006) and the *TSSWCB Environmental Data and Quality Management Plan* (August 2007).

Consistency with Title 30, Chapter 25 of the Texas Administrative Code, Environmental Testing Laboratory Accreditation and Certification, which

describes Texas' approach to implementing the National Environmental Laboratory Accreditation Conference standards, shall be required.

All monitoring procedures and methods prescribed in the QAPP shall be consistent with the guidelines detailed in the TCEQ *Surface Water Quality Monitoring Procedures, Volume 1: Physical and Chemical Monitoring Methods for Water, Sediment, and Tissue* (RG-415) December 2003) and *Volume 2: Methods for Collecting and Analyzing Biological Community and Habitat Data* (RG-416) (August 2005).

100% completed – On-going

Subtask 2.2: GBRA will submit revisions and necessary amendments to the QAPP as needed.

- No revisions or amendments were needed in quarter.

100% completed – On-going

TASK 3. Water Quality Monitoring

Subtask 3.1: Technical consultant will compile historical and baseline data on the Geronimo Creek watershed, including water quality data, land use, topography, soil types and vegetation.

100% completed

Subtask 3.2: GBRA, with consultation with the technical consultant, will produce a twelve-month water quality monitoring plan based on information identified in Subtask 3.1, including monthly routine and targeted monitoring of the stream and tributaries, quarterly monitoring of the springs (up to four locations), and the quarterly monitoring of wells (up to four locations) that are in close proximity to be contributing to the stream flow through springs.

100% completed

Subtask 3.3: GBRA will conduct water quality monitoring of the watershed as described in the plan developed in Subtask 3.2 and under the QAPP developed in Subtask 2.1.

- GBRA submitted water quality monitoring data in text file format to the TSSWCB project manager for submittal to TCEQ SWQMIS. Data submittal included Data Summary Forms with each monthly data set.

100% completed

TASK 4. Water Quality Modeling and Data Analysis

Subtask 4.1: The Technical Consultant will perform services that include the selection of a model(s) that facilitate development of the watershed protection plan; produce geographical information including digitizing of land use data to the sub-watershed level; data analysis to rank sources of the impairments; estimation of the fate and transport of bacteria, nutrients and other constituents; and production tools that can be used to evaluate the effectiveness of best management practices.

- Technical consultant submitted modeling information to be included in the Appendices section of the WPP.

95% completed – On-going

Subtask 4.2: The Technical Consultant will perform all necessary phases of modeling that facilitate development of the watershed protection plan as described in Task 5.

- Technical consultant answered a series of specific modeling questions about the SELECT analysis conducted for the development of the draft WPP, for inclusion in the draft WPP.

95% completed – On-going

TASK 5. Watershed Partnership and Plan Development

Subtask 5.1: GBRA will subcontract with the Texas AgriLife Extension Service (Extension) to facilitate the development of the Geronimo Creek Watershed Partnership Steering Committee and associated subcommittees for the purpose of plan development, including Texas Watershed Steward training for stakeholders.

- April 20, 2011 Texas AgriLife Extension met with a representative of New Braunfels and the TCEQ 319 program to discuss potential implementation projects and activities, and as they relate to potential funding by the TCEQ 319 NPS Program.

- June 22, 2011 Texas Agrilife Extension Service met with representatives from the City of New Braunfels to further discuss potential urban storm water BMPs and their potential for inclusion in the draft WPP and their potential to be funded by the TCEQ 319 NPS program.

85% completed – On-going

Subtask 5.2: Extension, in collaboration with GBRA, will develop the Geronimo Creek Watershed Protection Plan.

- Tuesday April 19, 2011 AgriLife and TSSWCB met in College Station and GBRA participated by conference call to discuss edits to the draft modeling chapters and appendix of the draft WPP document. Edits were made in order to have them ready for the June Partnership meeting.
- Monday, April 25, 2011-GBRA participated in a conference call with AgriLife and TSSWCB to whether to hold a meeting in May. The decision was made to not hold a partnership meeting in May, allowing more time for review of the draft sections of the report.
- Wednesday, May 25, 2011 – GBRA, AgriLife and TSSWCB met by conference call to discuss whether to hold a meeting in June. The meeting will be held and cover the modeling sections and the appendix (meeting agenda included in progress report)
- June 8-9, 2011 – Debbie Magin reviewed sections of the report and called AgriLife to discuss edits.

70% completed – On-going

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

IV. Projected Work for Next Quarter

The following will be accomplished during the coming quarter:

- a. Hold the steering committee meetings in July .
- b. Project materials will be developed for the Partnership Meetings in July including agendas, presentations, handouts, etc.
- c. Electronic invitations/reminders will go out to publicize the meetings, including radio and newspaper press releases, community calendars and personal calls to stakeholders.

- d. GBRA and Extension will develop final sections of the draft WPP to be provided for review and comment.
- e. GBRA and Extension will develop an updated project timeline for submission to TSSWCB.