I. Abstract

No new action has taken place this quarter as comments from TSSWCB are still being awaited. Results from this study have been included into the Buck Creek WPP. The only remaining work on this project is the finalization of the report on LDC and SELECT outputs. A no-cost extension for the project was approved this quarter extending the project through December 31, 2011.

II. Overall Progress and Results by Task

TASK 1: Project Coordination and Administration

Subtask 1.1: TWRI will coordinate project efforts with all project partners, as well as with the Watershed Protection Plan Development for Buck Creek project (TSSWCB project 06-11). TTVN meetings or teleconferences will be held, as appropriate, with project partners to discuss project activities, project schedule, lines of responsibility, communication needs, and other requirements.

The following actions have been completed during this reporting period:

a. TWRI has conferred with TSSWCB personnel numerous times regarding the progress and timelines for this project.

95% Complete

Subtask 1.2: TWRI will prepare electronic quarterly progress reports (QPRs) that document all activities performed within a quarter and shall be submitted to the TSSWCB no later than the 15th of January, April, July and October. All QPRs will be provided to project partners in this project and project 06-11, including Research, Texas AgriLife Extension Service, Red River Authority, and the Hall-Childress, Salt Fork, and Donley County SWCDs and placed on the project website maintained by TWRI.

The following actions have been completed during this reporting period:

a. Submitted Year 3, Quarter 3 report to TSSWCB on July 13, 2011.

95% Complete

Subtask 1.3: TWRI will submit appropriate Reimbursement Forms.
The following actions have been completed during this reporting period:

a. As of February 28, 2011 approximately $41,427 or 98% of project funding had been expended. The remaining project balance is $903.

98% Complete

**TASK 2: Modeling of Bacteria Loads using the LDC/SELECT approach**

Subtask 2.1: BAEN will conduct SELECT modeling analysis efforts to estimate bacteria loadings across the Buck Creek and identify critical bacterial loading areas within the watershed.

The following actions have been completed during this reporting period:

a. This task is now complete.

100% Complete

Subtask 2.2: BAEN will examine temporal and spatial trends in observed water quality (bacteria) by developing LDCs for one or more representative index sites which accurately characterize data across all flow regimes. The data will be characterized with a trend line based on statistical evaluation of bacteria loads in each flow regime. The LDCs will be used to differentiate between sources of bacteria as related to different flow conditions and to establish load reduction scenarios from the relationships between the observed data and the allowable loads expressed in the curve.

The following actions have been completed during this reporting period:

b. This task is now complete.

100% Complete

Subtask 2.3: Research will incorporate the results of the modeling analysis into the Buck Creek WPP that will be developed in TSSWCB project 06-11.

The following actions have been completed during this reporting period:

a. No activity to report at this time.

95% Complete

Subtask 2.4: BAEN and Research, with assistance from TWRI, will develop the technical report for the project for submission to TSSWCB, EPA, and project partners.

The following actions have been completed during this reporting period:

a. No activity to report as we are awaiting comment from TSSWCB.

90% Complete
**TASK 3: Quality Assurance Project Plan Development**

Subtask 3.1: *TWRI will develop a QAPP that will detail project goals and objectives relating to water quality monitoring activities; identify the data needed to fulfill those objectives; list field and laboratory methods; describe procedures and schedules to be followed; and specify a data management structure and the quality assurance protocols.*

The following actions have been completed during this reporting period:

a. The QAPP has been developed and approved by EPA.

100% Complete

Subtask 3.2: *Provide annual revisions to the QAPP and amendments, as necessary, to the TSSWCB and EPA.*

The following actions have been completed during this reporting period:

a. The project’s QAPP was allowed to expire as all modeling work has been completed.

100% Complete

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

Comments from TSSWCB are still pending.

**IV. Projected Work for Next Quarter**

The following will be accomplished during the coming quarter:

- Work will continue on the finalization of the final LDC and SELECT report upon receipt of comments from TSSWCB.
- Work will continue on the incorporation of LDC and SELECT results into the WPP as needed.