

**Bacterial Monitoring for the Buck Creek Watershed
FY 03 CWA 319(h)
TSSWCB Project No. 03-7**

Quarter no. 10 From 1/01/06 Through 3/31/06.

I. Abstract

Sample collection and analysis continued during Quarter 10 at sites 3, 4, 5, 10A, 10B, 10C, and 11. No flow was observed at the other sites. The QAPP annual update was approved. Mapping software continued to be utilized to assist with the evaluation of the watershed and possible sources of contamination. A presentation was made at the Basins Advisory Committee and the Second Annual Stakeholder Meeting was scheduled. Finally, discussions about the next phase of the project culminated in the development of a Phase II proposal for submission to the TSSWCB for 319 funding.

II. Overall Progress and Results by Task

TASK 1: Program Coordination with Project Participants

Subtask 1.1: Conduct meetings as appropriate with project participants, landowners, and other interested parties to discuss water quality monitoring activities, project schedule, lines of responsibility, communication needs, and other requirements.

The following actions have been completed during this reporting period:

- a. The Annual Stakeholders meeting was set for May 9, at the Community Center, 721 Robertson, in Memphis, Texas at 9 a.m. A tentative agenda was developed and work began on presentations for the meeting.
- b. In response to an invitation received from the Red River Authority, a 15-minute presentation was made at the Basins Advisory Committee (BAC) meeting in Amarillo on March 14th. This group included the Canadian River Municipal Water Authority, TAES-Amarillo, USGS, Red River Authority, Texas Cattle Feeders Association (TCFA), and TCEQ.
- c. Project staff received an invitation to participate in the 2007 Monitoring Coordination Meeting for the Red and Canadian River Basins scheduled for April in Wichita Falls.

83% Complete

Subtask 1.2: TAES will prepare electronic quarterly reports. All progress reports will also be provided to TCE project cooperators and participants, and Hall-Childress, Collingsworth, and Donley SWCD directors.

The following actions have been completed during this reporting period:

- a. Submitted Year 3, Quarter 2 report to TSSWCB on 4-12-06.

83% Complete

Subtask 1.3: TCE will provide leadership for educational programs about water pollution and project findings.

The following actions have been completed during this reporting period:

- a. TWRI maintains a project Web site which contains information about the project, the study area, photos, accomplishments, publications and educational outreach material, etc. The Web site can be viewed at <http://twri.tamu.edu/buckcreek>

83% Complete

Subtask 1.4: TAES and TCE will develop an electronic final report, which will include an executive summary of data collected during the project and educational program.

The following actions have been completed during this reporting period:

- a. Discussions were initiated between TWRI and TAES on development of the Final Report for this study. A tentative timeline has been set for completing the Final Report.

0% Complete

Subtask 1.5: TSSWCB, TWRI, RRA and local SWCDs will assist, when needed, with composition, editing, and publication of final report.

0% Complete

TASK 2: Micro-Watershed Monitoring and Sampling

Subtask 2.1 Develop DQOs and a QAPP to be approved by USEPA.

The following actions have been completed during this reporting period:

- a. The annual update to the QAPP was approved on March 15, 2006.

100% Complete

Subtask 2.2: Select 12 or 13 sites to conduct water quality sampling. Maintain water quality monitoring equipment and collect water samples.

100% Complete

Subtask 2.3 TAES will obtain sampling locations and deploy in accordance with arrangements made.

100% Complete

Subtask 2.4 TAES will perform routine sampling, (grab sampling) at strategic locations within the Buck Creek watershed.

The following actions have been completed during this reporting period:

- a. TAES performed grab sampling at sites: 3, 4, 5, 10A, 10B, 10C, and 11 on January 3, 11 and 26; February 9 and 21; and March 7. No water was present at sites: 1, 2, 6, 7, 8, 9, 12, and 13.

90% Complete

Subtask 2.5 TAES will collect a minimum of 8 rain event/high flow grab samples from the sites over the course of the study.

The following actions have been completed during this reporting period:

- a. A rainfall event was sampled on March 22 at sites: 3, 4, 5, 6, 10A, 10B, 10C, and 11.

100% Complete

Subtask 2.6 TAES will compile and analyze the sampling data. Data will be for informational and assessment purposes due to the limited data previously collected.

The following actions have been completed during this reporting period:

- a. In January, a one year TerraServer subscription was purchased to continue the study of the watershed.
- b. The watershed survey was continued with the assistance of FSA agents in each of the counties.

83% Complete

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

- In February, a proposal for Phase II of the project was submitted to the TSSWCB. Support for the next phase was secured from SWCDs in the watershed, Ruth Ann Scrivner, Kirk Skipper (via phone), Ben Weinheimer (VP- TCFA), Dr. Don Robinson (Director TAES-Vernon) and Dr. George Di Giovanni of the El Paso- TAES. Contacts were also made with Texas Farm Bureau and Texas Dairy Association about the project.

IV. Projected Work for Next Quarter

The following will be accomplished during the coming quarter:

- a. The Annual Stakeholder Meeting will be held on May 9 in Memphis.
- b. Sample collection will be completed in May 2006.
- c. Work will begin on the final report.
- d. Project staff will participate in the 2007 Monitoring Coordination Meeting for the Red and Canadian River Basins in April in Wichita Falls.