

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

Quarter no. 14 From 1/01/07 Through 3/31/06.

I. Abstract

Work on the Phase I final report has been suspended due to the acquisition of a no-cost extension. The reason this extension was obtained was to allow for sampling to continue until the QAPP for Phase II of the project can be drafted and approved. At that point, Phase I will effectively end and the project will be concluded shortly there after. Originally scheduled sample collection for Phase I has been completed and data have been analyzed. Sampling has been extended until the start of the Phase II project in an effort to eliminate data gaps between the two project phases. Results from sampling will be presented in the final report.

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. Presented project information to the Red River Basin Advisory committee at their Amarillo and Wichita Falls meetings.
- b. Three new landowners were met during the quarter and all seemed supportive of the project and its efforts. They also verbally agreed to cooperate with the project by allowing for future sampling or other needs.

97% 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 4, Quarter 2 report to TSSWCB on 4-10-07.

99% 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 is updated quarterly or as needed and can be viewed at <http://twri.tamu.edu/buckcreek>

92% 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. Data compilation has continued to eliminate data gaps between Phase I and II. When the QAPP for Phase II has been approved, sampling under Phase I will cease.

65% Complete

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

The following actions have been completed during this reporting period:

- a. Work on this subtask has ceased until sampling is officially ended for this project.

40% 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. An amendment to the QAPP was submitted to, and approved by the TSSWCB and EPA to allow for extended sampling until Phase II of the project can be brought online.

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. Sampling for the project has been extended and will be considered complete when the QAPP for Phase II of the project has been approved. This is anticipated for sometime in May 2007.

99% 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. Required rainfall event sampling has been completed.

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. Data continue to be compiled and analyzed. This will continue until sampling is conducted under Phase II.

99% Complete

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

- Recent rains have allowed for increased sample collections. Samples were collected during the quarter at sites 2, 3, 4, 5, 6, 7, 8, 10A, 10B, 10C, 11A, 11B, 12 and 13.
- Received a news article about “hounds Crossing Ranch” dated Tuesday October 8, 1963. Hounds Crossing is now the Skipper Ranch.
- Met new stakeholder owns land above Site 5- unnamed tributary he also leases land from ‘Lazy H Ranch’ to run cattle on.

IV. Projected Work for Next Quarter

The following will be accomplished during the coming quarter:

- Work will continue on the project final report. The report will not be completed until Phase II sampling begins. At that time, the report will be finalized and then sent out for review and approval.
- Water sampling will continue in order to eliminate data gaps between Phases I & II.

Appendix A:

Site 11 *E. coli* data

10-Jan-07	1	3
13-Feb-07	1	1
6-Mar-07	3	100
27-Mar-07	74	131
Average:	228	253
Site No:	11a	11b