

Missouri  
Department of  
Natural Resources

DRAFT TEBO CREEKS TMDL  
PUBLIC COMMENTS

Public Notice  
Oct. 24 – Nov. 23, 2003

**Middle Fork Tebo Creek – WBID #1284**  
**Tributary to Middle Fork Tebo Creek - WBID #1288**  
**West Fork Tebo Creek – WBID #1292**

Henry County, Mo.

Missouri Department of Natural Resources  
Water Protection Program  
PO Box 176  
Jefferson City, MO 65102-0176  
800-361-4827 / 573-751-1300



# MISSOURI DEPARTMENT OF CONSERVATION

## Headquarters

2901 West Truman Boulevard, P.O. Box 180, Jefferson City, Missouri 65102-0180  
Telephone: 573/751-4115 ▲ Missouri Relay Center: 1-800-735-2966 (TDD)

JOHN D. HOSKINS, Director

**REPLY TO:** Columbia Research Center  
1110 S. College Ave.  
Columbia, MO 65201  
Telephone: 573/882-9880  
FAX: 573/882-4517

RECEIVED  
NOV 19 2003  
WPCP

November 18, 2003

Ms. Sharon Clifford  
Water Pollution Control Program  
Missouri Department of Natural Resources  
PO Box 176  
Jefferson City, MO 65102-0176

Dear Ms. Clifford:

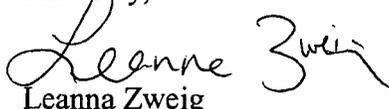
The following are the comments of the Missouri Department of Conservation concerning the draft TMDL for the Tebo Creeks. We appreciate your staffs' efforts on this draft documents and hope that our comments will helpful. Recent data shows the success of reclamation efforts in improving overall pH conditions in the streams. Although costly, reclamation work is likely to be the best solution to obtain water quality that meets state standards in the Tebo Creeks. MDC offers its assistance to MDNR and private landowners in the watershed as needed in the future.

It is important to continue monitoring of water quality on these streams to evaluate the effectiveness of reclamation and the success of the TMDL. Although targets statutorily must be water quality parameters, we encourage the use of biological indicators, over water chemistry, as an important measure of the creeks' recovery.

The water quality targets seem reasonable and soundly based upon the data available. We suggest that the Alkalinity vs. pH regression model be verified with planned additional monitoring data collected from each of the streams.

The Department supports efforts by DNR to protect and improve Missouri's aquatic resources and appreciates the opportunity to comment on this TMDL.

Sincerely,

  
Leanna Zweig

Environmental Services Biologist

COMMISSION

STEPHEN C. BRADFORD  
Cape Girardeau

ANITA B. GORMAN  
Kansas City

CYNTHIA METCALFE  
St. Louis

LOWELL MOHLER  
Jefferson City



Bob Holden, Governor • Stephen M. Mahfood, Director

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.state.mo.us](http://www.dnr.state.mo.us)

December 9, 2003

Ms. Leanna Zweig  
Missouri Department of Conservation  
Columbia Research Center  
1110 S. College Avenue  
Columbia, MO 65201

Dear Ms. Zweig:

Thank you for reviewing the West, Middle, and Tributary to Middle Fork Tebo Creek Total Maximum Daily Load (TMDL) documents and taking the time to comment in your letter of November 18, 2003. The Department of Natural Resources appreciates our partnership with the Missouri Department of Conservation in safeguarding our state's natural resources.

To the extent our budget allows, I anticipate that monitoring in the Tebo Creek system will continue with quarterly measurements being taken for chloride, sulfate, alkalinity/acidity, temperature, pH, specific conductance and flow. Due to budget constraints, biological monitoring will probably not be added and frequency of monitoring could possibly be decreased. It is just not possible at this time to increase monitoring activities.

Your suggestion to rerun the alkalinity vs. pH regression model after more data is collected is a good one. We will add to the implementation plan that the model will be rerun in 2006 with the new data collected in 2004 and 2005 to determine whether the trend is toward meeting water quality goals.



*Integrity and excellence in everything we do*

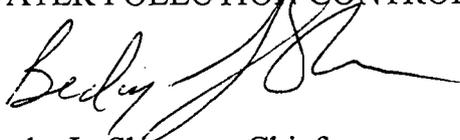


Ms. Leanna Zweig  
Page 2

Once again, thank you for your interest in the West, Middle, and Tributary to Middle Fork Tebo Creek TMDL documents. If you have any questions, you may contact Gail Wilson at (573) 526-1535 or at the Missouri Department of Natural Resources, Water Pollution Control Program, P. O. Box 176, Jefferson City, MO 65102-0176.

Sincerely,

WATER POLLUTION CONTROL PROGRAM

A handwritten signature in black ink, appearing to read "Becky L. Shannon". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Becky L. Shannon, Chief  
Water Quality Section

BLS:gwd

Entered  
11/19/03



Allan & Joicie Appell  
The Anchorage Farm  
505 Northeast Highway V  
Calhoun, MO 65323

RECEIVED  
NOV 20 2003  
WPCP

November 19, 2003

Dept. of NATURAL Resources  
WPCP/Water Quality Section  
P. O. Box 176  
Jefferson City, MO 65102-0176

Sirs:

Thank you for the information on Middle Tebo  
Creek and its tributaries.

I would like for you to add one more item to the  
Sample Site Index -- Tebo bridge on Highway V,  
which would then catch both Middle Fork and  
tributaries to Middle Fork.

Also, this would catch the Calhoun sewage plant  
and the chicken factory plant at Calhoun.

For these reasons, all should be monitored.  
Thanks for your consideration.

Sincerely,

Allan Appell



Bob Holden, Governor • Stephen M. Mahfood, Director

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.state.mo.us](http://www.dnr.state.mo.us)

December 9, 2003

Mr. Allan Appell  
The Anchorage Farm  
585 Northeast Highway V  
Calhoun, MO 65323

Dear Mr. Appell:

Thank you for reviewing the West, Middle, and Tributary to Middle Fork Tebo Creek Total Maximum Daily Load (TMDL) documents and taking the time to comment in your letter of November 19, 2003.

Due to budget constraints, I do not expect to be able to add monitoring sites. In fact, we may find it necessary to decrease frequency of monitoring at existing sites. As of now, scheduled monitoring in the Tebo Creek system will continue with quarterly measurements being taken for chloride, sulfate, alkalinity/acidity, temperature, pH, specific conductance and flow. At this time, however, it is just not possible to increase monitoring activities.

Because of your interest in the water quality of the streams near you, I would like to suggest that you consider participation in Missouri's Stream Teams program as a volunteer water quality monitor. This is a volunteer program that the department sponsors along with the Missouri Department of Conservation. After getting the needed instruction, individuals monitor a stream to determine its health. It is a way local folks can make their world a better place. Information on Missouri Stream Teams has been enclosed. For more information, please visit the Stream Team web site at [www.mostreamteam.org](http://www.mostreamteam.org) or contact Priscilla Stotts. I am enclosing materials about the program and a letter from Ms. Stotts.



*Integrity and excellence in everything we do*



Mr. Allan Appell  
Page 2

Your suggestion is a good one, but unfortunately at this time is just not possible. We will retain your letter and consider it again if funds become available. Thank you for your interest in the West, Middle, and Tributary to Middle Fork Tebo Creek Total Maximum Daily Load (TMDL) documents. If you have any questions, you may contact Gail Wilson at (573) 526-1535 or at the Missouri Department of Natural Resources, Water Pollution Control Program, P. O. Box 176, Jefferson City, MO 65102-0176.

Sincerely,

WATER POLLUTION CONTROL PROGRAM

A handwritten signature in cursive script, appearing to read "Becky L. Shannon".

Becky L. Shannon, Chief  
Water Quality Section

BLS:gwd

Enclosures