# Reading the River 2003 Summer Workshop

## Day: Sunday, June 15
- **Morning Activities**
  - Workshop check-in
  - Program pre-surveys (Jeff Smith)
  - Workshop Overview & Guidelines for Curriculum Project and application to KY Program of Studies (Y. Meichtry & B. Reeder)

- **Afternoon Activities**
  - Teaching stations to learn:
    1) CBL & technology use
    2) Chemical monitoring
    3) Biological and physical monitoring techniques
    4) Habitat assessment
    5) Classroom applications (Workshop leaders)

- **Evening Activities**
  - Cook Out
  - Introduction to Licking River Watershed (Marc Hult)
  - Stargazing

- **Presenters**
  - Dr. Yvonne Meichtry, NKU
  - Dr. Brian Reeder, MSU
  - M.K. Dickerson, Campbell-Kenton Conservation Dists.
  - Marc Hult, Licking River Watershed Watch

## Day: Monday, June 16
- **Morning Activities**
  - Geology, hydrology, and botany of the Licking Headwaters
  - Sampling Water Quality in Licking River Headwaters
  - Downstream stream monitoring

- **Afternoon Activities**
  - Lunch at headwaters area
  - Stream monitoring downstream (Carpenters Bend); macroinvertebrates, chemistry, and physical characteristics.
  - Magoffin County Historical Society- stream monitoring, tour

- **Evening Activities**
  - Dinner-Historical Society
  - Legal aspects and PRIDE
  - Reflections on day and overview of Tuesday
  - Stargazing

- **Presenters**
  - Marc Hult, Licking River Watershed Watch
  - Dr. Yvonne Meichtry, NKU
  - Dr. Brian Reeder, MSU
  - Connie Wireman & Todd Preston, Magoffin County Historical Society
  - Amanda Moore, Attorney

## Day: Tuesday, June 17
- **Morning Activities**
  - Overview of Cave Run Lake area & Forestry Service resources for teachers (Evelyn Morgan)
  - Fishes of KY
  - Tours: Cave Run Lake Dam, fish hatchery, and fish identification (L. Kornman, Marc Barnum, Rod Middleton)

- **Afternoon Activities**
  - Lunch at Forest Service
  - Pontoon study of Cave Run Lake (Dr. Miriam Kannan)

- **Evening Activities**
  - Optional wetlands hike, fishing, and other recreational activities.
  - Reflections on day and overview of Wednesday
  - Stargazing

- **Presenters**
  - Evelyn Morgan, Daniel Boone National Forest
  - Lew Kornman & Rod Middleton, Ky. Dept of Fish & Wildlife Resources
  - Marc Barnum, U.S. Army Corps of Engineers
  - Dr. Miriam Kannan, NKU
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| Wednesday June 18 | - Canoe safety  
- Mussel field study at Moore's Ferry (Monte McGregor & Leroy Koch)  
- Stream monitoring (Workshop leaders) | Downstream canoe trip (Jim Thaxton & Paul Tierney)  
- Wildlife viewing and other recreational activities at Blue Licks Battlefield State Park on the Licking River  
- Reflections on day & overview of Thursday | - Monte McGregor & Leroy Koch  
- James Thaxton, Thaxton Canoe Rentals  
- Paul Tierney, BLBSP Workshop leaders |
| Thursday June 19 | - Canoeing and stream monitoring: Blue Licks Battlefield State Park  
- Museum tour-BLBSP | - Flooding history & effects (Falmouth)  
- Cultural resources of the Licking River valley (Jeannine Kreinbrink)  
- Licking River Watershed Management (Pamla Wood) | - Agricultural practices along the Licking River  
- Campfire program: Kentucky Waters and Licking River Song (Debbie Tuggle)  
- Overview of Friday | - Pamla Wood, KY Division of Water  
- Debbie Tuggle, Composer and Musician  
- Workshop leaders |
| Friday June 20 | Microanalysis of plankton collected during workshop (Dr. Miriam Kannan)  
- Reflections and study at the mouth of Licking River (Workshop leaders) | - Sanitation District No. 1, No. KY (Peggy Ziegler)  
- Summary of data collection throughout week  
- Shared reflections  
- Next steps in curriculum development (Y. Meichtry)  
- Post-surveys | - Dr. Miriam Kannan, NKU  
- Peggy Ziegler, Sanitation District No. 1 of N. Ky  
- Workshop Leaders |
### FOLLOW-UP SESSIONS:
TIMETABLE, ACTIVITIES AND PRESENTERS FOR THE READING THE RIVER

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<td>Teachers share curriculum product developed</td>
<td>Dr. Yvonne Meichtry, NKU</td>
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<td>Review of curriculum resources</td>
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<td>Water testing</td>
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<td>Session 2, March 2004    Date TBA</td>
<td>Project WET Workshop</td>
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<td>Post Surveys: Classroom Impact</td>
<td>Dr. Brian Reeder, MSU</td>
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<td>Dr. Jeff Smith</td>
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