



PROGRAM

**INDIANA BAT
AND
COAL MINING:**

A TECHNICAL INTERACTIVE FORUM

November 16-18, 2004
Holiday Inn –Hurstbourne
Louisville, Kentucky

TUESDAY, November 16, 2004

- 7:00 AM** **Check in, Coffee and Pastry**
Check in at the Holiday Inn—Hurstbourne, 1325 S. Hurstbourne
Parkway at I-64, Louisville, KY 40222
- 8:00 AM** **Welcome**
*Brent Wahlquist, Director, OSM Appalachian Region, Pittsburgh, *
Pennsylvania
- 8:10 AM** **Introduction and Purpose of Forum**
Kimery Vories, Forum Chairperson, Office of Surface Mining, Alton, Illinois

INDIANA BAT & COAL MINING





TUESDAY, November 16, 2004

8:25 AM Session #1 THE BIOLOGY AND LIFE HISTORY OF THE INDIANA BAT

Session Chairperson: Ramona Briggeman, Indiana Division of Fish & Wildlife, Jasonville, Indiana

8:30 AM National Status of the Indiana Bat

Richard Clawson, Missouri Department of Conservation, Columbia, Missouri

9:00 AM Maternity Roosts

Dr. Allen Kurta, Department of Biology, Eastern Michigan University, Ypsilanti, Michigan

9:30 AM Hibernacula

Dr. Virgil Brack, Environmental Solutions & Innovations, Inc., Cincinnati, Ohio

10:00 AM REFRESHMENT BREAK

10:30 AM Foraging

Dr. John O. Whitaker, Jr., Department of Life Sciences, Indiana State University, Terre Haute, Indiana

11:00 AM Summer Habitat

John MacGregor, Kentucky Department of Fish and Wildlife Resources, Frankfort, Kentucky

11:30 AM PARTICIPANT INTERACTIVE DISCUSSION

12:00 PM LUNCH (Included in Registration)

**TUESDAY, November 16, 2004****1:00 PM Session #2 FIELD TECHNIQUES FOR BIOLOGICAL ASSESSMENT**

Session Chairperson: Andy King, U.S. Fish & Wildlife Service, Bloomington, Indiana

1:05 PM Mist Net Surveys

James Kiser, Daniel Boone National Forest, Stearns Ranger District, Whitley City, Kentucky

1:35 PM Acoustic Surveys

Dr. Eric Britzke, Clemson University, Clemson, South Carolina

2:05 PM Radio Tracking and Telemetry Studies

Cal Butchkoski, Pennsylvania State Game Commission, Petersburg, Pennsylvania

2:35 PM REFRESHMENT BREAK**3:05 PM Summer Habitat Assessment**

Dr. Timothy C. Carter, Department of Zoology, Southern Illinois University, Carbondale, Illinois

3:35 PM Assessment of Potential Hibernacula and Swarming/Staging Habitat

Dr. Virgil Brack, Environmental Innovations & Solutions, LLC, Cincinnati, Ohio

4:05 PM Biologically Appropriate Interpretation of Field Data

Scott Pruitt, U.S. Fish & Wildlife Service, Bloomington, Indiana

4:35 PM PARTICIPANT INTERACTIVE DISCUSSION**5:05 PM ADJOURN AND SOCIAL RECEPTION w/Poster Session**



WEDNESDAY, November 17, 2004

7:30 AM Coffee and Pastry

8:30 AM Session #3 CONSULTATION PROCESS

Session Chairperson: Dr. Richard Wahrer, Kentucky Department for Natural Resources, Division of Permits, Frankfort, Kentucky

8:35 AM U.S. Fish and Wildlife Service

Jim Serfis, U.S. DOI Fish & Wildlife Service, Division of Endangered Species, Arlington, Virginia

9:05 AM Illinois State Regulatory Authority

Bill O'Leary, Illinois Office of Mines and Minerals, Benton, Illinois

9:35 AM U.S. DOI Office of Surface Mining

Len Meier, U.S. DOI Office of Surface Mining, Alton, Illinois

10:05 AM REFRESHMENT BREAK

10:35 AM U.S. Army Corp of Engineers

James M. Townsend, U.S. Army Corp of Engineers, Louisville, Kentucky

11:05 AM Indiana Division of Wildlife

Ramona Briggeman, Indiana Division of Fish & Wildlife, Jasonville, Indiana

11:35 AM Coal Mining Industry

Tim Howard, P.E. Howard Engineering & Geology, Inc., Harlan, Kentucky

12:05 AM PARTICIPANT INTERACTIVE DISCUSSION

12:35 Noon LUNCH (Provided in Registration)



WEDNESDAY, November 17, 2004

1:35 PM **Session #4 CASE STUDIES**

Session Chairpersons: Bill O'Leary, Illinois Office of Mines and Minerals, Benton, Illinois

1:40 PM **Freeman Industry Mine**

William D. Hendricks, WDH Ecological Services, Symsonia, Kentucky

2:20 PM **West Virginia Coal Mine**

Joel Beverly, Ermine, Kentucky

2:40 PM **Portal Exclusion Protocols**

Rick Sherwin, Department of Biology, University of New Mexico, Albuquerque, New Mexico

3:20 PM **REFRESHMENT BREAK**

3:40 PM **The Use of In-Lieu-Fees to Mitigate Bat Habitat Loss at the Bull Run Surface Mine, Virginia**

Lance Debord, D.R. Allen & Associates, Abingdon, Virginia

4:20 PM **Indiana Bat Habitat Management & Mine Planning: An Industry Perspective**

Bernie Rottman, Black Beauty Coal Co., Evansville, Indiana

4:40 PM **PARTICIPANT INTERACTIVE DISCUSSION**

5:20 PM **ADJOURN**

**THURSDAY, November 18, 2004**

7:30 AM Coffee and Pastry

8:00 AM Session #5 GUIDANCE DEVELOPMENT FOR PERMITTING

Session Chairperson: Bob Fala, West Virginia Department of Environmental Protection, Nitro, West Virginia

8:05 AM Kentucky Guidance, Problems, Highlights, Successes, and Failures

Dr. Richard Wahrer, Kentucky Department for Natural Resources, Division of Permits, Frankfort, Kentucky

8:35 AM Indiana Guidance, Problems, Highlights, Successes, and Failures

Tim Taylor, Indiana Division of Reclamation, Jasonville, Indiana

9:05 AM Ohio Guidance, Problems, Highlights, Successes, and Failures

Sarena Selbo, U.S. Fish & Wildlife Service, Reynoldsburg, Ohio

9:35 AM REFRESHMENT BREAK

10:05 AM Tennessee Guidance, Problems, Highlights, Successes, and Failures

Becky Hatmaker, U.S. DOI Office of Surface Mining, Knoxville, Tennessee

10:35 AM West Virginia Guidance, Problems, Highlights, Successes, and Failures

Bob Fala, West Virginia Department of Environmental Protection, Nitro, West Virginia

11:05 AM PARTICIPANT INTERACTIVE DISCUSSION

11:35 AM Forum Conclusion - Where Do We Go From Here?

11:50 AM ADJOURN