

IWRA Symposium Committee  
8204 Claridge Road  
Indianapolis, IN 46260-4914

Twenty-Fourth Annual  
Indiana Water Resources  
Association Conference and Field  
Trip

EXPLORING THE  
WHITEWATER RIVER BASIN:  
PAST and PRESENT

Richmond Holiday Inn  
Richmond, Indiana  
June 18-20, 2003



Cosponsored by  
Indiana Geological Survey  
and  
Professional Geologists of Indiana

[www.valpo.edu/organization/xiwra](http://www.valpo.edu/organization/xiwra)

WEDNESDAY, JUNE 18, 2003

- 10:30 **Spring Business Meeting**  
All members and friends are welcome
- 12:00 **Registration**
- 1:00 **Opening and Welcome**  
Tracy Branam, IGS  
2003 IWRA President
- 1:10 **Glacial Geology of the Whitewater River Basin**  
Marni Dickson, IGS
- 1:40 **Water Resource Availability and Use in the Whitewater Basin**  
Judith Beaty, IDNR-DOW
- 2:10 **Water Quality in the Whitewater Basin**  
Jeff Martin, USGS
- 2:40 **BREAK**
- 3:15 **Comparison of Algal Productivity between the Whitewater River Basin and the White River Basin**  
Jeff Frey, USGS
- 3:45 **Presentation on Water Quality Effects on Aquatic Life in Whitewater Basin**  
Dr. Gary Breitenbach, Earlham College
- 4:15 **Peopling the Whitewater Valley**  
Dr. George Blakey, IU East, retired
- 6:00 **Hospitality Hour**
- 7:00 **Banquet**  
Guest speaker: Ron Feltenberger, Universal Electric Power Corp. "Hydropower-A New Paradigm for the 21<sup>st</sup> Century"

THURSDAY, JUNE 19, 2003

- (Breakfast - on your own)
- 8:30 **Bus leaves hotel**
- 9:00 **Connersville Water Treatment Plant: Discussion of water source, usage and quality**  
Gary Schneider and Dave Nutty,  
City of Connersville
- 10:30 **Feeder Dam for Whitewater Canal at Laurel**  
Jay Dishman, IDNR
- 11:30 **Historic Metamora**  
Guided tour of old canal town history with Jay Dishman
- Lunch (box lunch provided)**  
**Explore Metamora** (on your own)
- 2:45 **Brookville Reservoir Dam: history, operation and future**  
Marshall Graham, USAC
- 3:30 **Fossil-hunting at Brookville Reservoir spillway in one of the finest exposures of Ordovician rocks in Indiana**
- 5:30 **Arrive back at hotel**
- 7:00 **Dinner and entertainment**  
All American Blue Grass Band
- 9:00 **Hospitality Hour**

FRIDAY, JUNE 20, 2003

(Breakfast - on your own)

8:00-11:30 Caravan leaves hotel  
Whitewater River Gorge,  
Richmond, In

Kevin Strunk, Wabash Resources and  
Consulting, Inc.

We will visit several locations in the immediate Richmond area which highlight the unique glacial and bedrock geology and the origin of the Whitewater Gorge, as well as view the related terraces and the gravel deposits. The Whitewater Gorge is a unique feature formed by the successive channeling of massive amounts of glacial meltwater in multiple episodes resulting in a 4-mile long bedrock gorge cut 60-80 feet deep and several hundred feet wide. The gorge has a resulting complex history. We will start at the north end where two main meltwater channels merge to begin the gorge, then make stops at prominent points within the gorge, taking advantage of the Whitewater Gorge Nature Trail access points. Stops may include Thistlewaite Falls, which shows the waterfall retreat mechanism of gorge formation, stops to see the vertical bedrock cliffs of the gorge perhaps at "Happy Hollow", see the "Weir Dam" and then viewing the unique remnant and bedrock and gravel terraces, old mill site and the scenic river valley near the Test Road Bridge, with a final stop at the excellent gravel and till exposures at the Stonehenge Gravel Company pit on the south end of the gorge. At Stonehenge we will be able to see a 70' tall exposure of massive cross-bedded outwash capped with a late Wisconsinan till that is being actively mined in a scenic and still rural portion of the valley and gorge.

12:00 Meeting adjourned

GENERAL INFORMATION

Registration Fee:

Includes Wednesday Banquet, Thursday box lunch, bus transportation, Thursday evening meal and entertainment, and refreshments!

Received by June 4, 2003

IWRA Member: \$ 90.00  
Non-member: \$100.00  
Student: \$ 45.00

Received after June 4, 2003

IWRA Member: \$105.00  
Non-member: \$115.00  
Student: \$55.00

Single Day Registration: \$60.00  
Guest for Banquet: \$30.00  
Guest for Thursday dinner: \$25.00

Lodging: Participants are responsible for their own reservations. **A block of rooms has been reserved for IWRA until May 18, 2003 at the Richmond Holiday Inn, 5501 National Road East.** Don't procrastinate!!!

Hotel Telephone: 765-966-7511  
Toll Free: 1-800-548-2473  
FAX: 765-966-4612

Rates: King or Double \$79.95  
Jacuzzi Rooms \$99.95

For more information about the field trip, please contact Tracy Branam, IWRA President at 812-855-2687 or visit our web site:  
[www.valpo.edu/organization/xiwra](http://www.valpo.edu/organization/xiwra)

Important items of note:

The bus we'll use on the Thursday fieldtrip has room for 47 passengers. Only the first 47 people who register for the conference are guaranteed seating. Those who register later must arrange their own transportation. We'll attempt to contact those for whom seating is not guaranteed to ensure that you still wish to attend. So be sure to include a daytime phone number on your registration form.

Remember your boots and rain gear, or think positive and bring a hat and sunblock.

Please circle the appropriate fees on the registration form. Your 2003 IWRA membership status is shown on the mailing label of this announcement. Contact Jeff Martin (317) 290-3333 ext. 148 for questions about IWRA memberships.

The Richmond Holiday Inn is located on the east side of Richmond on US highway 40, just west of the I-70 interchange.

*This is the twenty-fourth annual Indiana Water Resources Association Symposium. IWRA is a scientific and educational not-for-profit organization established to encourage interdisciplinary communication between persons working in all aspects of water resources. IWRA is an affiliate of the American Water Resources Association.*

**Indiana Water Resources Association Symposium  
Richmond Holiday Inn**

Name: \_\_\_\_\_ Daytime Phone : \_\_\_\_\_  
 Organization/Company: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 E-Mail Address: \_\_\_\_\_ Amount Enclosed: \_\_\_\_\_

\$90 Member	\$100 Non-member	\$45 Student
\$105 Member	\$115 Non-member	\$55 Student
\$60 (Please check which day: Wed. ____ Thurs. ____ Fri. ____)		
	\$25 Banquet Guest	\$25 Dinner Guest (Thursday)

Please help us plan by placing an 'X' in the appropriate blank:  
 I plan to attend the Wednesday Banquet: yes \_\_\_ no \_\_\_ . I plan to bring a guest to the Banquet: yes \_\_\_ no \_\_\_ .  
 I plan to ride the bus on Thursday fieldtrip: yes \_\_\_ no \_\_\_ . I plan to bring a guest to the Thursday Dinner: yes \_\_\_ no \_\_\_ .

Make checks payable to: **Indiana Water Resources Association**  
 Return registration and fees to: IWRA Symposium Committee, 8204 Claridge Road, Indianapolis, IN 46260-4914