



37th Annual Indiana Water Resources Association Conference

"Evaluating the Restoration of Indiana's Water Resources"

**Technical Conference with Field Tours of Agricultural BMPs
Thursday Afternoon and Urban BMPs Friday Morning**

**Potawatomi Inn at Pokagon State Park, Angola, Indiana
June 8-10, 2016**

Registration

(Includes Wednesday banquet, Thursday box lunch, break snacks, bus transportation, and Wednesday/Thursday hospitality room)

**Registration Forms Received BEFORE / AFTER
Friday, May 20, 2016**

IWRA Member:	\$100 / \$130
Non-member:	\$130 / \$160
Student:	\$55 / \$65
1-day Member:	\$75 / \$105
1-day Non-member	\$85 / \$115
Banquet Guest	\$50 / \$50

Please fill out and mail Registration Form on the following page by May 20. Note: Registration **fees DO NOT** have to be received by May 20 in order to obtain the early bird rate. We **DO** need to receive registration **forms** by May 20. Fees may follow at a later date.

Lodging:

Participants are responsible for their own reservations. A block of rooms has been reserved for IWRA **until Monday, May 9, 2016** at the Potawatomi Inn. Ask for the "IWRA" rate or use the Group Code #0608IN

Rates (excluding tax):	
Double (1 double bed)	\$79.99
Double Double (2 double beds)	\$89.99
Queen Queen (2 queen beds)	\$119.99

Potawatomi Inn, Pokagon State Park
6 Lane 100A Lake James
Angola, IN 46703 (260) 833-4087

(Please note: Rates will not be changed at check-in or after the cutoff date, or for those who do not identify their group affiliation.)

For more information...

...about the conference, contact Joe Schmees, IWRA President, jschmees@idem.IN.gov, (317) 308-3194

...about IWRA membership or registration, contact Jeff Martin, jd martin@usgs.gov, (317) 600-2748

*This is the thirty-seventh 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.*

<http://www.iwra.info/>

Registration Form

Return with payment enclosed to:
Jeff Martin, IWRA Registrar, 8204 Claridge Road, Indianapolis, IN 46260-4914

Name: _____ Daytime Phone: _____

Organization/Company: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

E-Mail Address: _____ Amount Enclosed: _____

Circle appropriate Registration

	Member	Non-member	Student	1-day, Member	1-day, Non-member	Banquet Guest
Received by May 20, 2016	\$100	\$130	\$55	\$75	\$85	\$50
Received after May 20, 2016	\$130	\$160	\$65	\$105	\$115	\$50
				Which day? Wed Thu Fri		

Note: All non-student presenters are expected to pay the symposium registration fee. If your employing organization cannot or will not pay the registration fee, please contact Jeff Martin and we'll work something out (IWRA is member friendly!)

If registration fees are not enclosed, please explain when IWRA will receive payment.

Please help us plan by placing an 'X' in the appropriate blank:

I am a student presenter: yes ___ no ___

I request vegetarian meals: yes ___ no ___

I plan to attend the Wednesday Banquet: yes ___ no ___

I plan to attend the Thursday Field Trip and Lunch: yes ___ no ___

I would like a receipt for fees: yes ___ no ___

Make checks payable to: **Indiana Water Resources Association**

Return with payment enclosed to:
Jeff Martin, IWRA Registrar, 8204 Claridge Road, Indianapolis, IN 46260-4914

AGENDA

Wednesday, June 8

Time	Topic	Speaker
11:00	Registration	
12:00	Opening and Welcome	Joe Schmees, IDEM 2016 IWRA President
12:05	The Yellow River Initiative	Bob Barr, IUPUI CEES & Siavash Beik, CBBEL
12:50	Reconstruction of Naturalized Daily Streamflow for the Upper Wabash River	Sanoar Rahman, Purdue University
1:15	Interaction between Flood Plain Restoration and Changing Land Cover on Stream Metabolism	Matt Trentman University of Notre Dame
1:40	Real-time, Continuous Monitoring of Suspended Sediment and Nutrients in Rivers and Streams	Tim Lathrop, USGS
2:00	Break	
2:30	Food Webs of Large River Ecosystems	Mark Pyron, Ball State University
2:55	Effects of Silver Carp on the Wabash River Ecosystem	Robert Shields, Ball State University
3:20	The Indiana Water Resources Research Center: Past, Present and Future Perspectives	Linda Prokopy, Purdue University
3:40	What is the Source of Baseflow in Small 1st Order Tributaries to the Wabash River?	Marty Frisbee, Purdue University
4:10	Natural Occurrence of Lead in Indiana Groundwater	Tracy Branam, IGS
4:35	Voluntary Monitoring Program (VMP)-Groundwater Network	Ginger Korinek, IDNR & David Lampe, USGS
5:00	Cash Bar/Hospitality Hour Student Poster Presentations: <ul style="list-style-type: none"> • Diets of Invasive Silver Carp • Microplastic Pollution in Indiana's White River • Evaluating the Effectiveness of Green Infrastructure on Hydrology and Water Quality in CSO Communities • Distributed Hydrologic and Phosphorus Transport Modeling to Facilitate Watershed Management • Effects of Pharmaceutical and Personal Care Products on Algal Community Structure and Function • Effectiveness of Stochastic Weather Generators in Simulating Long Term Climate Data 	<ul style="list-style-type: none"> • Mario Minder, Ball State • Lindsay Hylton, Ball State • Jingqiu Chen, Purdue • Sisi Li, Purdue • Brittany Maule, Ball State • Sushant Mehan, Purdue

6:30	Banquet & Awards Ceremony Featured Presentation: Conserving the Eastern Hellbender Salamander	Rod Williams, Associate Professor of Wildlife Science Purdue University
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Thursday, June 9 (Breakfast on your own)

Time	Topic	Speaker
8:30	Effect of Conservation Cropping Systems on Water Quality and Quantity	Tony Bailey, NRCS & Shannon Zezula, NRCS
8:55	School Branch Watershed: Evaluating Restoration	Shannon Zezula, NRCS
9:20	Linking Soil Health to Improved Water Quality	Sheila Christopher, University of Notre Dame
9:45	Adjustment in Agricultural Practices Due to Economic Incentives Aiming to Decrease Fertilizer Use	Shanxia Sun, Purdue University
10:05	Break	
10:30	Do Winter Cover Crops at the Watershed Scale Reduce Nutrient Loss?	Brittany Hanrahan, University of Notre Dame
10:55	Effect of Climate Change on the Economics of Conservation Tillage	Whitney Hodde, Purdue University
11:20	Effects of Agricultural Conservation on Water Quality in the Indian Creek Watershed	Ursula Mahl University of Notre Dame
11:45	Increasing Hydrologic Storage in Tile-drained Landscapes for Improved Water Quality	Ben Reinhart Purdue University
12:10	The Effects of Improved Climate Database on Runoff and Soil Loss Predictions	Nayereh Ghazanfarpour, Purdue University
12:30	BREAK/Load the bus/LUNCH (Box lunch will be provided on the bus)	
Agricultural BMP Tour (Transportation Provided)		
12:45	We will look at a variety of agricultural BMPs throughout LaGrange and Steuben County, including short presentations during the trip and at stops	Angie Brown, IDEM Kent Wamsley, TNC
5:30	Return to Potawatomi Inn (Dinner on your own)	
7:30	Spring IWRA Business meeting All members and friends are welcome!	
8:00	Hospitality Hour	

Friday, June 10 (Breakfast on your own)

Time	Topic	Speaker
8:30	Building a Partnership to Address Septic System Impacts to Lake Michigan	Dorreen Carey, IDNR & Leanne Whitesell, IDEM
8:55	Evaluation of Adoption and Maintenance of Rain Barrels in Suburban Landscapes	Yulin Gao, Purdue University
9:20	Overloading of Intermittent Stream by Local Waste Water Treatment Plant	Terry West, Purdue University
9:45	Landscape Level Wetland Functional Assessment and Prioritization	Matt Meersman, Friends of the St. Joe River
10:10	Paired Versus Single Site Catchment Analysis	Fushcia Hoover, Purdue University
10:30	Travel to tour location/BREAK	
	Urban BMP Tour (Transportation NOT Provided)	
11:30	Arrive on location in nearby Angola (directions will be provided). We will look at pervious concrete, a bioswale, rain barrel, rain garden, and a constructed wetland.	Amanda Cope, City of Angola-Trine MS4

Important items of note:

Bus transportation will be provided for the Thursday field trip to local area agricultural BMPs. Travel to the urban BMP locations will not be provided, therefore registrants will need to use their own vehicles, or carpool with other attendees. Sites will be located in close proximity to one another around downtown Angola.

Snacks and water will be provided for the Thursday field trip. All field trip stops require good walking shoes or boots and your personal choice of bug repellent. Rain gear, sunglasses, and sunscreen are recommended.

We look forward to seeing you in June!

2016 Symposium Committee:

Joe Schmees
Mark Basch
Kathleen Fowler
Rosy Hansell
Jeff Martin
Cyndi Wagner