



Hoosier Chapter SWCS

Extreme Weather

Impacts on Water Quality and Quantity

WHAT

Hoosier Chapter Summer Professional Development

WHEN

June 15, 2018

9:00 a.m.

WHERE

Eagle's Hide-A-Way Retreat Center
8901 W 65th St
Indianapolis, IN 46278
<https://goo.gl/maps/1y5wwAqefvp>

REGISTRATION

Lunch and Breaks included

\$30—members

\$50—non-members

\$20—retirees/spouses

\$5—students

EventBright online registration:

[https://](https://swcsmeeting_spring2018.eventbrite.com)

swcsmeeting_spring2018.eventbrite.com

REGISTER BY JUNE 4th

Seating is limited!

Join Your Colleagues at the Hoosier Chapter's Summer Professional Development Event!

Crops grown in the U.S. are critical for the world's food supply. Changes in temperature, atmospheric carbon dioxide, and the frequency and intensity of extreme weather can have significant impacts on crop yields, as well as the conservation practices put in place to address resource issues. Soil health practices can make land more resilient to extreme weather and innovative monitoring is showing how these practices can improve water quality and management.

Featured Topics

- Our Changing Climate: Jeff Dukes, Director, Purdue Climate Change Research Center
- Severe Weather Impacts on Engineering Practices: Chris Ritz, Civil Engineer, USDA NRCS
- School Branch Water Quality and Quality Paired Watershed Study—Partnerships, Research and Data—Shannon Zezula, State Resource Conservationist, USDA NRCS; Bob Barr, Research Scientist, Center for Earth and Environmental Science, IUPUI (invited); and Aubrey Bunch, Biologist, Ohio-Kentucky-Indiana Water Science Center, USGS (invited)

Field Tour

Hear from two pioneering soil health farmers located in the watershed that drains to Eagle Creek Reservoir, Indianapolis's largest drinking water supply. They want to know what is coming off their fields and have opened their doors to one of the largest collaborative water quality studies ever. You'll see edge of field monitoring, USGS total station monitors, soil temperature monitoring and a bioreactor and hear about the data that is proving what Mike Starkey and Jack Maloney have known all along—soil health practices improve water quality.

For more information contact Curtis Knueven at curtis.knueven@in.usda.gov.



Hoosier Chapter of SWCS

Healthy Land... Clean Water... For Life