

Stream & Watershed Integrated Management (SWIM) Workshop

Whiterock Conservancy Bur Oak Visitor Center

July 11-13, 2022



Day 1- July 11

9:30 am Check-in

9:45 am Welcome & Introductions

Part I: How Streams Work

10:00 am Iowa's Streams & Rivers: A Landscape Perspective – *Phil Kerr*

11:00 am Watershed Principles (geology, hydrology, landforms, soils, watershed morphology & mapping) – *Phil Kerr*

Noon Lunch at Whiterock Visitor Center

12:45 pm Stream Primary Components (water, energy, sediment, vegetation) – *Tom Isenhart*

2:30 pm Hydro-connectivity (channels) – *Greg Simmons*

3:30 pm Break

3:45 pm Hydro-connectivity (floodplains, riparian corridors) – *Greg Gelwicks*

5:00 pm Meet your SWIM Team & Watershed Quiz

5:30 pm Fish Fry Dinner & Social

Day 2- July 12

Part II: Stream Ecology

8:00 am Intro to Stream Ecology – *Tom Isenhart*

9:00 am Travel to field site at Springbrook State Park. Please carpool as parking is limited.

9:30 am Stream biota & habitat – *Tom Isenhart, Samuel Nutting, Ken Krier, Greg Gelwicks & Greg Simmons*

Noon Lunch provided at field site & return to Whiterock Visitor Center

1:00 pm Water Quality Monitoring & Assessments – *Ken Krier*

1:45 pm Introduction to Stream Visual Assessment- *Tom Isenhart*

2:30 pm Travel to field site on Mosquito Creek. Please carpool as parking is limited.

3:00 pm Stream Visual Assessment – *Tom Isenhart & Ken Krier*

5:00 pm Return to Whiterock Visitor Center

6:00 pm Dinner & review SVAP findings – *Tom Isenhart*

Day 3- July 13

Part III: Solving Stream Problems – Classrooms

8:00 am In-stream Habitat Rehabilitation – *Greg Simmons*

9:00 am Landscape Conservation Practices – *Bob Waters & Alan Lange*

9:45 am Local, State & Federal Conservation Programs – *Bob Waters & Alan Lange*

10:15 am Travel to field site on private land. Please carpool as parking is limited.

10:30 am Developing a Conservation Plan & Reports – *Alan Lange, Jason Hart & Bob Waters*

Noon Lunch provided in the field

12:45 pm Continue development of projects in the field

1:30 pm Return to Whiterock Visitor Center.

2:00 pm Present & discuss project plans – *Alan Lange, Jason Hart & Bob Waters*

2:45 pm Workshop wrap-up & turn in evaluations

3:00 pm Adjourn