

Allegan County Road Commission

City of Elkhart, Indiana

Fishbeck, Thompson, Carr & Huber

Indiana Conservation Districts

Indiana Department of Environmental Management (IDEM)

Indiana Department of Natural Resources, Fisheries Division

Michigan Conservation Districts

Michigan Department of Environmental Quality (MDEQ)

Michigan Department of Natural Resources, Fisheries Division

Natural Resources Conservation Service (NRCS)

Potawatomi RC & D

Southwest Michigan Planning Commission

Streamside Ecological Services

U.S. Army Corps of Engineers (USACE)

U.S. Fish & Wildlife Service (USFWS)



Enroll Early!

Space is Limited

Register online

@

www.fotsjr.org/upcoming_events

or by mail (see details inside)

For more information contact

fotsjr.outreach@gmail.com



www.fotsjr.org

**Friends of the St. Joe River Association
Presents a Workshop On:**

***Reducing the Impacts of
Road Stream Crossings & Dams In the
St. Joseph River Watershed***

**Christiana Creek Country Club
116 West Bristol Street
Elkhart, Indiana 46514**

Register online @ www.fotsjr.org/upcoming_events

Save the Date!

October 14, 2011



BARRIERS TO FISH MIGRATION

Dams and road/stream crossings can have negative effects on local stream ecology and hydraulics. Road/stream crossings often fail due to design and installation problems. Improve your ability to assess, design and install culverts at road/stream crossings. This workshop will explore case studies illustrating both problems and solutions. Additionally, there will be a field trip in the afternoon where you will visit and discuss impacts of a dam and design considerations of good and bad road/stream crossings.

WORKSHOP AGENDA

- 8:00 a.m.** Registration (Coffee/Tea)
- 8:15 a.m.** Welcome/Introductions
(*Matt Meersman*, President, FotsJR)
- 8:30 a.m.** Stream Morphology & Impacts of Fragmentation by Dams & Road Stream Crossings
(*Chris Freiburger*, MDNR)
- 9:15 a.m.** SJRW Fish Passage Inventory: Purpose & Results (*Aaron Snell*, Streamside Ecological Services)
- 9:45 a.m.** Legal Considerations (Breakout for Indiana & Michigan): Laws & Policies Relating to Road Stream Crossings
(*Holly Vickers*, MDEQ & *Aaron McMahan*, IDEM)

- 10:15 a.m.** Break (Coffee/Tea)
- 10:30 a.m.** Road Stream Crossing Design Considerations to Minimize Impact to Fish Passage, Habitat & Water Quality: Culvert Design, Sizing & Placement in Stream, Road Drainage Considerations
(*Chris Freiburger*, MDNR)
- 11:15 a.m.** Design, Implementation & Maintenance Challenges for a Road Commission (*Craig Atwood*, Allegan County Road Commission)
- 11:30 a.m.** Erosion Control Best Practices
(*Jarrod Sanders*, MDEQ)
- 12:00 p.m.** Funding Your Projects: Federal, State & Other Funding Options
(*Marcy Colclough*, SWMPC & *Rick Westerhof*, USFWS)
- 12:30 p.m.** Lunch (Provided)
- 1:15 p.m. - 4:30 p.m.** **Field Trip**
Dams (Impacts), Good Road Stream Crossings (Design) Bad Crossings (Potential Solutions & Considerations When Designing)

WORKSHOP REGISTRATION/DETAILS

LIMITED SPACE: Workshop is limited

COST: \$25.00/person

LOCATION: Christiana Creek Country Club
116 West Bristol Street
Elkhart, Indiana 46514

TIME: 8:00 a.m. - 4:30 p.m. (EDT)

REGISTER BY: October 7, 2011

Register and pay online at www.fotsjr.org/upcoming_events, or use the registration form below and mail your payment by October 7, 2011.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (____) _____

Email: _____

Company/Organization: _____

Amount Enclosed: \$ _____

Checks payable to: Friends of the St. Joe River
P.O. Box 1794, South Bend, IN 46634