

Culvert Program Monitoring Workshop
December 16-17, 2008
Agenda

Tuesday, December 16, 2008

- 8:00 a.m. Welcome and introduction to Bad River Watershed Culvert Program
Overview of Bad River Watershed Association (BRWA) Culvert program and partnership culvert work in the basin.
- 8:30 Summary of restoration goals, objectives, monitoring questions and study design
- 9:00 Overview of Bad River watershed and summary of some existing monitoring work taking place in the Bad River watershed (BRW):
Faith Fitzpatrick, USGS – Landscape setting of BRW and monitoring sediment loads and hydraulics
Dale Higgins, USFS, Monitoring Techniques at culvert installation sites
Mark Fedora, USFS – Geomorphic monitoring at culvert installation sites
Cordell Manz, WI DNR – Watershed assessment monitoring
- 10:15 Break
- 10:30 Scott Toshner, WI DNR – White River Fishery monitoring
Ted Koehler, USFWS - Monitoring on culvert replacement for fish passage efficacy
Greg Klingler, USFWS – Sea Lamprey monitoring and Lamprey barriers in BRW
- 11:45 Instruction to Breakout Teams
- 12:00 Lunch – Provided by BRWA and other contributors
- 1:00 Breakout Teams convene (Fishery/aquatic biota and Sediment/habitat)
- a. Review monitoring objectives, monitoring questions and suggested spatial scale of monitoring work. Answer the question: What is missing?
 - b. Review watershed position scenarios (clay plain in the lower reaches, steep erodible transition zone, or upper watershed)
 - c. Brainstorm parameters at appropriate scale (site, reach, subwatershed) and zone (clay plain, transition, upper)
 - d. Teams identify parameters that are repeatedly selected
 - e. Teams select priority parameters, highlighting those that will be most useful for scenarios in particular zones
- Break (taken by teams as needed)
- 4:00 Teams report back to full workshop – What are your priority parameters and why were these recommended?
- 4:30 Synthesis of team results and discussion of next day's work.
- 5:00 Adjourn - Group dinner (on your own) at Explorer's Point

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8:00 a.m. Welcome to day two and explanation of team expectations

8:15 Breakout Teams Convene

- a. What metrics are essential to measure priority parameters?
 - b. What is the frequency for these metrics at the appropriate spatial scale?
 - c. What methods/protocols are available and can these be used?
- Break as needed

10:30 Breakout Groups report results from morning session

11:00 Next steps – Interest and ability of participants to coordinate and contribute to monitoring efforts in 2009 and beyond.

12:00 Adjourn