

WI Land + Water: Session Activity Worksheet

Contact us for more info on this session:

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1. Determine a place to consider throughout this session:

2: What areas (or assets) are most at risk if your watershed persistently experiences extreme precipitation events over the next 10, 50, 100 years?

Optional check boxes to help thinking

| | | | |
|---|--|---|---|
| <input type="checkbox"/> Upper watershed | <input type="checkbox"/> Road-stream crossings | <input type="checkbox"/> High quality timber area | <input type="checkbox"/> Culturally significant resources |
| <input type="checkbox"/> Middle watershed | <input type="checkbox"/> Productive farmlands | <input type="checkbox"/> Water infrastructure | <input type="checkbox"/> Clean water |
| <input type="checkbox"/> Lower watershed | <input type="checkbox"/> Homes and businesses | <input type="checkbox"/> Outdoor recreation | <input type="checkbox"/> Other: _____ |

Other areas:

Why are these areas/assets at risk? Consider % natural lands, slope, soils, land-use change, engineering, etc. Consider how altered precipitation patterns might affect your local landscape and natural areas.

3. What steps are you currently taking to diagnose and respond to this risk?

Use the checkboxes to guide discussions.

| | |
|--------------------------|---|
| <input type="checkbox"/> | Watershed assessment of vulnerabilities |
| <input type="checkbox"/> | Revising county land and water, hazard mitigation plans |
| <input type="checkbox"/> | Restoring hydrologic functions and processes |
| <input type="checkbox"/> | Strategically increasing vegetation cover |
| <input type="checkbox"/> | Strategically rehabilitating forests, wetlands, floodplains |

Other:

4. What actions can help watersheds adapt & reduce risks to infrastructure?

What actions can help address climate change impacts and challenges, while also helping your stakeholders to derive the benefits that they value? Consider a variety of actions, including:

- The **things you already do** that are even more important because of climate change.
- Possible **small tweaks or enhancements** that improve upon what you're already doing.
- Wild and crazy ideas, or **major changes** from the current way of doing things.

Look at the menu of Adaptation Strategies and Approaches. What are some ways to incorporate climate change adaptation into your management?

1. Management actions that are **already part of the plan** that also have benefits for climate adaptation:

2. **Small tweaks or enhancements** to management actions that will increase the chance for success:

3. Wild and crazy ideas, or **major changes** to the management actions:

Homework:

Identify partners that you need to reach out to!

Are their precautionary and no-regrets actions that you can take now?

Baseline info - Have you identified...?

| | |
|--------------------------|--------------------------------------|
| <input type="checkbox"/> | Highly erodible areas |
| <input type="checkbox"/> | Degraded wetlands and forested areas |
| <input type="checkbox"/> | Unstable stream reaches |

| | |
|--------------------------|------------------------------------|
| <input type="checkbox"/> | Vulnerable road & stream crossings |
| <input type="checkbox"/> | Floodplain connectivity |
| <input type="checkbox"/> | Land cover types |

More resources and information: Find second handout prepared for this session for related resources and information. This session builds on an Adaptation Workbook that is described in Chapter 5 (pp. 74-89) of *Forest Adaptation Resources: Climate Change Tools and Approaches for Land Managers, 2nd Edition* available in print (www.nrs.fs.fed.us/pubs/52760) and online (www.adaptationworkbook.org).