



RED RIVER BASIN FDRWG



RED RIVER BASIN FLOOD DAMAGE REDUCTION WORK GROUP

"Working toward consensus agreements on long-term solutions for flood damage and for protection and enhancement of natural resources."

Contact:

Andrew Graham
Red River Basin Coordinator
Minnesota Department of
Natural Resources

Andrew.Graham@state.mn.us
218-606-0128

www.rrwmb.us/fdrwg



FDR Benefits to the Red River Basin



LOCAL PROJECTS WITH LOCAL BENEFITS

ENHANCING NATURAL RESOURCES

- Supports local infrastructure and services by generating revenue from resource-based tourism
- Reduces cost of treating drinking water with improved water quality
- Reduces erosive damage to properties along streambanks
- Improves aquatic habitat for fish and macroinvertebrate populations
- Builds local resiliency to extreme weather events and changing climate

LOW FLOW AUGMENTATION

Stored flood water can be released to mimic natural stream flow patterns across the seasons.

REDUCING FLOOD DAMAGES

INFRASTRUCTURE PROTECTION

- Reduces damages to roads and bridges and expensive emergency repair
- Improves safety by keeping roads open for residents, law enforcement and emergency medical services
- Enables workforce continuity and shipping to reduce economic disruption caused by floods

REDUCED URBAN FLOODING

Permanent flood protection reduces dependence on emergency measures of temporary rapid-deploy flood fighting activities to protect people, property, and infrastructure within the urban areas of the Red River Basin.

REDUCED AG LAND FLOODING

Landowners face delays in spring planting each year and continual risk of damage to crops after planting. Over \$100 million in crop damages occurred in 2019 and 2020 alone due to flooding in the RRB (USDA Risk Management Agency). Projects can also provide adequate outlet for drainage systems that are critical to productive agricultural lands in the Red River Basin.

REDUCING FLOOD DISRUPTIONS TO RESIDENTS AND ECONOMIC ACTIVITIES



PROJECT TEAM BENEFITS

- The process seeks a “win-win” through flood-damage reduction (FDR) and natural resource enhancement (NRE).
- Combining diverse perspectives, technical skills and local knowledge improves project goals; expands the range of practical alternatives and helps achieve locally acceptable solutions.
- Projects delivering diverse benefits provide access to multiple funding sources.
- Permitting challenges are identified early so solutions can be designed into the project.



The Flood Damage Reduction Work Group (FDRWG) represents a partnership and commitment from local and state government. This includes the support of local project teams through technical resources, guidance, and funding. Project teams assess local water problems and recommend solutions to Watershed Districts for implementation.