

Summary of Damages Prevented by Potential LTFS Projects

The following figure summarizes the estimated damages prevented by the potential LTFS local protection projects, combined with a 20% flow reduction on the Red River main stem. Prevented damages are estimated for 100-year, 200-year and 500-year floods.

Prevented damages are computed for both 1) baseline hydrology, or that currently used by the USACE and 2) wet period hydrology, or that recommended by the current USACE feasibility study for Fargo-Moorhead flood protection.

Depending on the hydrology used, damages prevented by the potential LTFS projects will range from about \$3 to 4 billion for a single 100-year flood, from \$6.5 to 8 billion for a single 200-year flood, and from \$10 to 13 billion for a single 500-year flood.

Working together with sound, proactive floodplain management, the potential LTFS projects can make a profound, measureable difference far into the future for the Red River basin.

Total Prevented Damages of Potential LTFS Projects – Red River Basin

