

Emergency Watershed Protection Program

EWP Bank Stabilization in Hallock, Minnesota in FY 2003

On June 10, 2002, the rains began to fall in the Two Rivers Watershed in northwestern Minnesota and continued through June 12, by which time the local rain gages showed as much as 9.01 inches. The average annual precipitation at Hallock is 18.99 inches.

This resulted in elevated flows in the South Branch of Two Rivers which flows through Hallock. At a location north of the Broadway Avenue bridge, the flows eroded the stream bank at the base of the dike which protects five residences, a storm sewer outlet, and the bridge in addition to the dike.

The City of Hallock appealed to the Natural Resources Conservation Service (NRCS) for assistance in stabilizing the stream bank at this location and another nearby location. During the winter of 2002, the plans were prepared by a local engineering firm.

Construction was completed in the summer and fall of 2003. Thankfully snowfall was lighter than usual in the winter of 2002-2003 so the spring snowmelt event did not further damage the eroded stream bank.

NRCS paid about \$135,000 for construction costs above the local share for the two sites. The property protected by the two site stabilizations is valued over \$1 million.



September 10, 2002 Eroded stream bank below dike



October 2003 Bank stabilization complete in Hallock

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