

Streambank Restoration

Yellow River, Starke County Indiana

Project Date: October 2004
Location: Starke County, Indiana
Client: Starke County Soil & Water
Clean Water Indiana Project
Kankakee River Basin Commission
Engineer: Lee Forbes
Products used: EcoBlanket™
Filtrexx Filter Soxx & Stakes
Filtrexx Lock Down Netting
Pea Gravel & Compost Material



Severe erosion was occurring along the Yellow River during heavy storm events. This erosion was causing streambank movement and shift of the shoreline. Filtrexx Filter Soxx were filled with a blend of pea gravel and compost material. Seven layers of Soxx were placed along 400 feet of streambank shoreline. Soxx were staked along the water's edge. Seed was injected into the Filter Soxx using the Express Blower Seed Injection System.



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Filtrexx Lockdown Netting was used on the upper area of the slope to provide adherence for the organic compost material until vegetation could be established. The Lockdown Netting was placed and pinned to the slope area above the Filter Soxx. A 2" EcoBlanket™ was applied over the netting again injecting seed while applying the organic material using a pneumatic blower truck.

Following two sprayer applications of water, the grass seed germinated. Full germination was achieved along the 400 feet of streambank and within the seven layers of Filtrexx Soxx. This project was contracted by the Starke County Soil & Water Conservation District as their Clean Water Indiana Project. Kankakee River Basin Commission funding also.