



# Weber River Trout Unlimited



***Bionet erosion control blanket offers revegetation solution that is biodegradable and habitat-friendly.***

**LOCATION:**

*Morgan City, Utah*

**PRODUCT:**

*Tensar NAG C700BN erosion control blanket*

**PROJECT PARTNERS:**

*Owner*

*Trout Unlimited*

*Consultant / Contractor*

*River Restoration / Spring Creek Landscape*

*Completion Date*

*April 2016*

The Thurston farm in Morgan City, Utah, is host to a walk-in fishing area on the Weber River. This access point had lost natural vegetation from repeated cattle traffic and was prone to erosion into the river, posing a danger to fish habitat. Trout Unlimited identified approximately one mile (1.6 km) of river bank in need of cost-effective erosion control that would be fish-friendly, and revegetate quickly to preserve soil.

## Challenge

The site is part of an operating farm, so crews had to work quickly to minimize disruptions. Installers also had to keep a close eye on the river, due to fast flows and rapidly rising waters. A common approach for sites like this (coir logs with blanket wraps) would have proven slower and more expensive than alternatives Nilex proposed. Both factors are major concerns for Trout Unlimited's budget and project load. There was also a risk the bulls in the adjacent pen would try to eat the straw in the logs before vegetation could establish.

## Solution

Biodegradable double-woven Tensar NAG C700BN erosion control blankets offer ease of installation with all-natural jute, coir and coconut fibers for fill, wrap and netting. The material deters animal grazing and is designed to last approximately three years before it breaks down in the soil. This gives the medium plenty of time to facilitate natural revegetation, the roots of which help hold soil in place to reduce erosion of the bank into the river.

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## Installation

Unlike the blanket and log approach, which requires cutting the river bank in lifts to accommodate the logs, only a small amount of backhoe work was necessary. The operator dug a trench at the top of the slope to anchor the blankets, and hauled river rocks to complete anchoring at the base. The installation, of 4,680 square yards of material, was accomplished in six days by four workers. Nilex worked closely with the installers and the engineer who approved the design.

## Results

The Tensar NAG C700BN solution saved Trout Unlimited time and money that they were happy to roll into other projects in the area. They also saw benefit in repeating this installation approach where possible at similar sites. Organization volunteers added willow stakes to the area to augment this bioengineered solution.

The partnership between Nilex solutions, local installers, local engineers and Trout Unlimited ultimately means better protection for Utah fish habitat and improved sustainable recreation options for current and future generations.

## The Nilex Advantage

Nilex is committed to unearthing better results. Whether it's for a civil, resource or environmental project, we offer the latest engineered and technically-superior materials and techniques to save our customers time and money, minimize the need to move or remove earth, and reduce the need for granular materials.

With over 38 years of experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.

