

OCTORARO CREEK STABILIZATION NOTTINGHAM, PA



Problem



Solution



Result

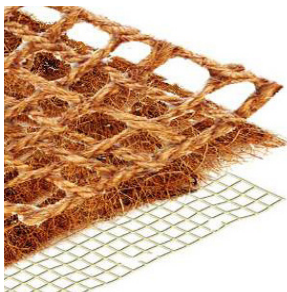
Application: Bank Stabilization
Product: C700BN

Site Issues: Steep embankment • Wildlife • Previous failed hard armor • steep slope • waterway

Problem: The Octoraro Creek facility in Nottingham, PA near the Conowingo dam and Susquehanna River, included an eel lift, designed to collect and transport eels along the waterway bypassing the impassable dam structure. The eel lift was originally installed on a steep dam embankment that was armored with poor performing, environmentally non-friendly hard concrete block structure. As a measure to increase the site's erosion control and improve the environmental habitat at the site, the Octoraro Creek facility turned to Western Green for a natural option to add stability and vegetation to the steep slope.

Solution: As a solution, the concrete blocks were soil filled, and seeded and the C700BN erosion control blanket was selected and installed over the seeded bed and secured into place. The C700BN is a long-term, yet temporary erosion control blanket that combines the strength of heavy coir nets with a fiber matrix to provide the strength, yet ability to naturally vegetate the steep embankment. The C700BN offered a flexible erosion control blanket that provides intimate contact to the soil grade reducing the affects of storm water runoff. Because C700BN is all-natural, it is an excellent choice for waterway projects.

Result: After the installation of the erosion control blanket, the steep embankment began its initial vegetation phase. The grasses soon filled in and provided surface stabilization of the soils. Now after the site has fully established, the Octoraro Creek facility benefits from the natural and aesthetically pleasing stabilized slope.



PRODUCT HIGHLIGHTS

- The C700BN consists of a heavy 700 g coir net, a coconut fiber matrix, and jute bottom net providing an 100% biodegradable erosion control blanket
- Provides extended-term erosion protection for a minimum of 36 months, allowing ample time for site establishment.
- C700BN provides significant resistance to hydraulic forced and provides increasing levels of performance as vegetation establishes.