



Natural Resources Conservation Service

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Carolina Mulch Plus, Inc.
229 Brown Road
Pisgah Forest, NC 28768
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During the flood damage repairs as a result of hurricanes Frances and Ivan in September 2004, our contract engineers specified the Filtrexx compost-filled socks, 12 inch diameter, filled with compost, lime, seed and fertilizer, to be placed on the repaired riverbank above the J-hook rock vane. The bank was sloped to roughly a 2:1 slope, the socks were placed on the slope and anchored by stakes, and the entire area sown around the socks. Riparian hardwood shrubs were inter-planted via live-staking between the rows of socks for additional bank stabilization.

Subsequent site inspections found the germination rate of the seed in the socks to be nearly 100 percent. Actually, the socks germinated prior to the seed in the soil around the socks. As rainfall occurred after construction, the socks absorbed water and became even heavier, which allowed them to withstand the currents of the French Broad River during high-flow conditions. Several full-channel flood events have occurred since installation. The socks have not moved from their anchored positions, and have been capturing sediment from the higher channel flows.

From a streambank stabilization perspective, we are well pleased with the results of these bio-socks. They performed as advertised, installation went quickly and was done very neatly in accordance with the site design.

Enclosed are several photos of the site after all work was completed. If you have any questions, please feel free to contact me at the numbers above.

Sincerely,

Bob Twomey
District Conservationist