



## Brushy Creek Stream Restoration Greenup County, KY April, 2005

The sandy banks of Brushy Creek in northeast Kentucky were severely eroded and in need of stabilization. Although water quality was good, Brushy Creek lacked habitat to support the aquatic life typically found in headwater streams. This location was selected as an off-site mitigation site for impacts within the watershed. In coordination with stream restoration work, EcoGro was contracted to hydroseed native wildflower seeds on a 4+ acre stream restoration project.



After work on the new stream channel and floodplain was complete, EcoGro was then hired to hydroseed the disturbed areas to be re-vegetated. A mixture of temporary cover crops and perennial native grass and wildflower seed was applied in the spring of 2005. The advantage of hydroseeding was that the seed slurry also included taciifier and cellulose pulp. The taciifier was formulated from a natural gum to help hold soil particles together as well as help the cellulose pulp adhere to the steep slopes. The wet cellulose acted as a spongy media to facilitate seed germination. When applied to the sandy soil, this mixture was able to also serve as an erosion and sediment control.



**Project Reference:**  
Contact EcoGro  
**Project Partners:**  
Green Valley Landfill

- Key Features:**
- Hydroseeding
  - Native plants
  - Riparian buffer

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