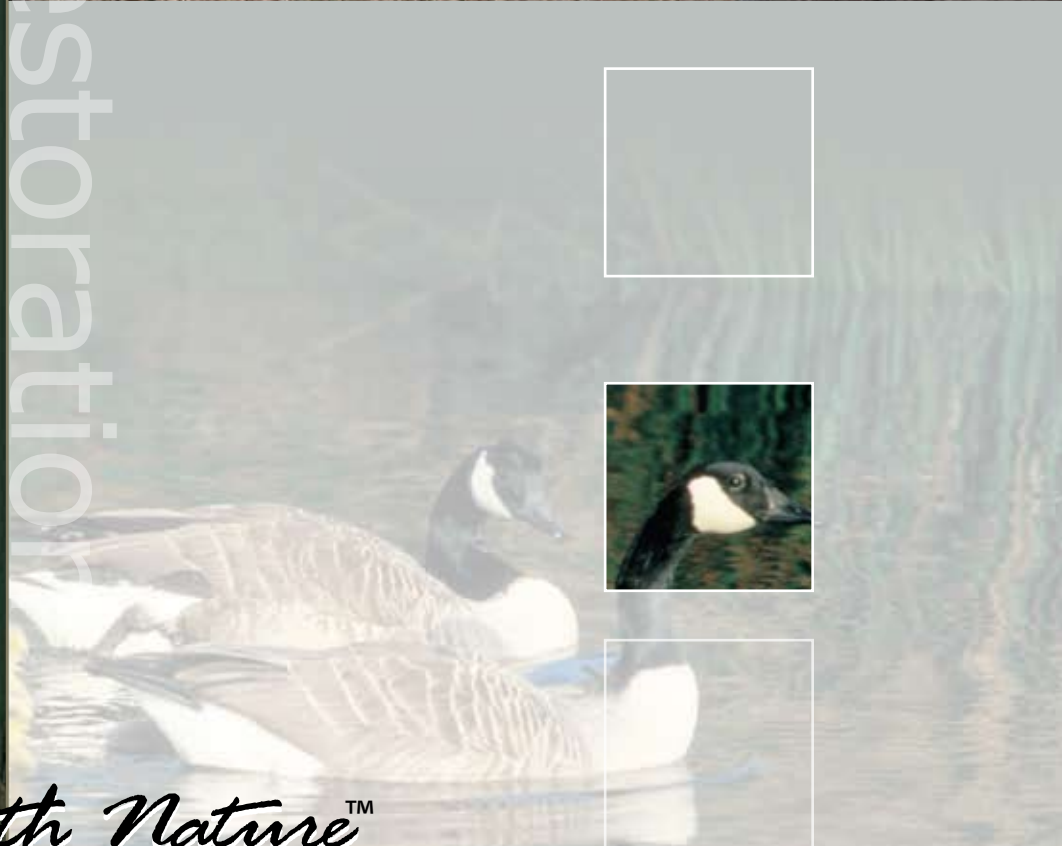




# Stream Restoration

West Moreland County • Export, Pennsylvania

Stream Restoration



*Synergy With Nature™*

# Stream Restoration

**Application:** Exposed 20" natural gas pipeline

**Owner:** Dominion

**General Contractor:** Submar

**Location:** Export, Pennsylvania

In a small stream in the Western Pennsylvania Mountains, a 20 inch natural gas pipeline owned and operated by Dominion Transmission had become exposed due to a headcut that had migrated upstream from the Steele Run Creek. Submar was called in because of several obstacles and conditions severely affecting the site. First, the site was a delineated wetlands area and special care had to be taken before and after construction so that this fragile area was not disturbed. Submar was required to set aside the top layer of wetlands soil and foliage so that it could be replaced after construction in order to promote new growth of wetland grasses. Timber Mats were also required on and around the site in order to minimize impact to existing wetland vegetation.

Working off the Timber Mats on a severe slope posed a second major obstacle at the site. Because of the wetlands, Submar could not excavate a level working pad for its equipment. All excavation had to be done from the Timber Mats which were placed on the slope of the hill. This setup caused the equipment to constantly slide downhill towards the work area creating a high risk work zone. Lastly, time of year and weather were of great concern. The project started November 14th and had to be completed before the Thanksgiving holiday. A few light snow storms during the project made for extremely difficult and dangerous conditions while working and recoating the pipeline. Submar was able to complete the project on time and, more importantly, safely in spite of the weather and problematic site conditions.



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