Prince George's County Steam Restoration and Mitigation

WORKING LANDS
INVESTMENT PARTNERS, LLC

Project Description:

While working with a prior company, Ms. Mary Paist-Goldman, a member of the Working Lands Investment Partners (Working Lands) team, prepared the design, completed the permitting and oversaw portions of the construction of a wetland and stream restoration project in Prince George's County, Maryland. The project consisted of approximately 25 acres of wetland and more than 5,000 linear feet of stream mitigation for impacts associated with State Highway Authority and Prince George's County projects.

Client Needs:

This unique site is situated at the headwaters of a significantly degraded watershed. It was selected based on site-specific characteristics that maximized the ecological uplift for a stream and riparian corridor restoration project in an important tributary to the Chesapeake Bay. The restoration activities were completed in 2018 and monitoring at the site is ongoing.

Solution:

The project resulted in more than one mile of intermittent and ephemeral stream restored fed by artesian groundwater on the project site. The site had previously been used for agricultural research and had been farmed since the 19th Century. The few streams onsite were straightened and ditched to provide irrigation water to the fields for agriculture. The restoration project involved the incorporation of woody debris and log vanes to slow down the water in a series of wetland cells to encourage infiltration and the settlement of solids from the surrounding agricultural fields. The site was planted with emergent and forested scrub/shrub wetlands plantings with a forested riparian buffer surrounding the wetland cells upon completion.

Total Project Cost: $2,500,000

Working Lands Investment Partners (WLIP) has a long history of pioneering and implementing water and soil remediation, restoration, rehabilitation, and regeneration. Our ecosystem restoration work delivers economical, sustainable and verifiable solutions that alleviate the negative impacts of ecological damage resulting from human activity.

Dedicated to Sustainability. Driven by Stewardship. Powered by Science.