

# Mayberry Game Protective Association Stream Restoration

## **Background:**

The Bureau of Resource Management worked in partnership with the Mayberry Game Protective Association to plan a stream restoration project that would restore approximately 5,516 linear feet of a Use IV-P stream located off Mayberry Road in Westminster. The primary goal of this project, located in the Double Pipe Creek Watershed, was to restore Bear Branch to a stable natural reach that enhances the natural habitat and reduces impacts to the Association property.

## **Scope of Work:**

The existing stream channel exhibited signs of accelerated bed and bank erosion as well as lateral migration. The stream was overwidened and lacked proper channel definition, with unequal bank heights and inadequate floodplain connectivity. There was also a diminished buffer along the stream channel. The stream restoration project utilized a natural channel design approach, incorporating in-stream structures and environmentally sustainable practices using on-site materials.

EcoTone, Inc. was awarded the design contract in February of 2018.

## **Sequence of Construction:**

Construction of the facility was awarded to Magstone, LLC in November of 2020. All necessary Federal and State permits were obtained for the project. Along with the 5,516 linear feet of stream restoration, the project restored 17.34 riparian acres, created 1.5 wetland acres, planted 2,437 trees, and 13,156 live stakes. The project wrapped up in Spring 2022.

The Bureau of Resource Management was awarded \$1,500,000 in a grant funding from the Department of Natural Resources for the construction of this project.

## **Project Details:**

Watershed:	Double Pipe Creek
Equivalent Impervious Surface Treated:	279 acres
Costs: Engineering	\$ 190,254.00
Construction	\$1,809,172.67
Time Frame:	4 years

## **Submitted By:**

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