



project profile : ecological restoration



Restored channel stability, aquatic habitat and riparian buffer are giving a new life to Moores Creek at Azalea Park.

Moores Creek Stream Restoration

Charlottesville, Virginia

Moores Creek, a tributary to the Rivanna River, runs through Azalea Park within the City of Charlottesville. Over the past several decades, upstream land development and its associated uncontrolled stormwater runoff caused morphological and biological impacts to Moores Creek, including channel incision, streambank erosion, channel meander pattern changes and loss of aquatic habitat. Degradation of parkland, impacts to a baseball field and a loss of ecological diversity led the City to retain Biohabitats to develop a natural channel design to restore Moores Creek.

Participating on a stream team established by the City of Charlottesville, Biohabitats developed a concept plan based on reference reach data, analysis of fluvial geomorphologic processes and natural channel design principles. Incorporating aquatic and riparian habitat features, Biohabitats prepared a final design and construction package, acquired regulatory permits and oversaw construction for more than 1200 lf of stream.

PROJECT AT A GLANCE

SERVICES	Inventory and Assessments Design Permitting Construction Procurement Construction Management Post Construction Monitoring Management Public Outreach
CLIENT	City of Charlottesville Public Works Department
PHYSIOGRAPHIC PROVINCE	Piedmont
BIOREGION	Chesapeake/Delaware Bay
WATERSHED	Rivanna River