

Spring Valley Stream Restoration Design-Build

Washington, DC



The restoration of a degraded urban stream enhances ecology, water quality, and public safety in a neighborhood park.



from top: Spring Valley Stream before, during, and after restoration.

The neighborhoods around Washington, DC's Spring Valley Park were developed many years before the enactment of stormwater regulations in the District. Uncontrolled storm flows began eroding a tributary to the Potomac River that flowed through the park, degrading water quality and habitat, and threatening park safety. To make matters worse, the uncontrolled storm flows had also exposed sanitary sewer lines and damaged a popular hiking trail.

In an effort to help the District Department of Energy and Environment to restore stability, natural hydrology, and ecological function to the tributary, Biohabitats restored 1,000 linear feet of the degraded stream.

Working closely with the park's many stakeholders and community members, Biohabitats crafted a cost-effective design that would not only reduce the volume and velocity of stormwater being discharged into the park, but cover and protect exposed sanitary sewer lines, rehabilitate a walking trail to enhance access and safety, and augment the beauty of the highly visible project site.

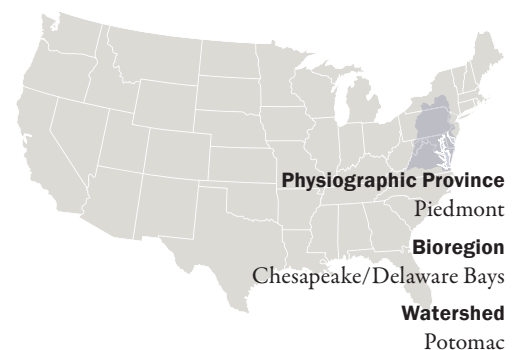
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Physiographic Province

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