

Action Plan for Nature-based Stormwater Strategies: Promoting Natural Designs that Reduce Flooding and Improve Water Quality in North Carolina

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Photo Captions

New Development

River Bluffs - photo credit River Bluffs Development Corp.

The lovely aesthetics of River Bluffs in Castle Hayne, N.C. result from nature-based stormwater design being incorporated throughout the site. These stormwater measures help make it a walkable park-like neighborhood while preventing flooding and protecting water quality.

Stormwater Retrofit

Community Rain Garden Planting - photo credit North Carolina Coastal Federation

Community members join together to build a rain garden in Swansboro, N.C. Rain gardens are shallow depressions that collect stormwater to reduce the volume of rain that contributes to localized flooding and surface water degradation.

Roadways

Greensboro Green Street – photo credit Hunter Freeman

A Greensboro green street collects stormwater runoff in bio retention cells to reduce the amount of runoff. This in turn reduces street flooding and downstream pollution.

Working Lands

North River Farms Wetland Preserve - photo credit North Carolina Coastal Federation

Replicating natural hydrology on farm and forest lands reduces flooding and improves water quality. Restored wetlands at North River Wetlands Preserve filter and absorb runoff before it reaches the river.