



GREEN INFRASTRUCTURE in New Jersey



SRF PROJECTS

PROJECT NAME AND DESCRIPTION:

FORECASTLE BASIN, STAFFORD TOWNSHIP, OCEAN COUNTY

The existing basin was created in the 1960's when a dam was built across the stream to create a permanent ponded area. The basin serves 542 acres which discharges to a tributary of Mill Creek and ultimately to Barnegat Bay. Accumulated sediments from the upstream developments have partially filled in the basin.

GREEN INFRASTRUCTURE IN ACTION:

The project will dredge 30,000 cubic feet of sediment to restore lost volume to the basin. A six-foot wide shelf of submerged plants will be installed along the perimeter of the ponded area. Floating vegetated islands will be installed at different locations. The plants in these islands and along the basin edge will remove nutrients from the ponded water and will also improve the aesthetic value. The dredging will both increase the volume of the basin, as well as help keep the temperature down in the warmer months.

FUNDING:

The New Jersey Environmental Infrastructure Financing Program awarded \$786,878 to construct this project. More information on this program is available online at www.nj.gov/dep/dwq/mface_njeifp.htm.