

# NORTH BRANCH OF CYPRESS CREEK STREAM & ECOLOGICAL RESTORATION



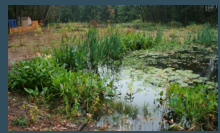
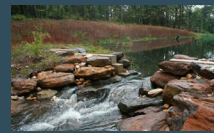
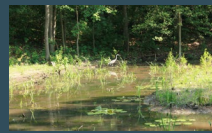
## DESCRIPTION

## PHOTOS

● Severna Park, Anne Arundel County, MD

### Restoration Highlights:

- Creation of a 2.1-acre in-line stormwater wetland at the head of the project providing water quality management for the 320-acre contributing urban watershed
- Created 9 stormwater wetland impoundments
- Creation of 880 feet of SPSC for 5 tributary/stormwater drainage ditches
- Restored 2,900 feet of unstable perennial stream channel including:
  - 200 feet reach with log-boulder step pool system
  - 400 feet reach with anastomosed channel system
  - 1,200 feet of floodplain wetland and open water system
  - 200 feet of single-thread tidal channel
- Created/Restored 7.4 acres of wetlands with 3.3-acre net gain:
  - Forested wetlands
  - Emergent wetlands
  - Seepage wetlands
  - In-line headwater wetland
  - Tidal wetlands;
- Creation of 4.5-acre riparian forest
- Created significant ecological uplift
- Meaningfully increased stormwater pollutant reduction



● Client | Anne Arundel County Department of Public Works

Engineer | BayLand

Subconsultants | Clear Creeks and Underwood

Contractor | Angler Environmental

Completed | 2013

Construction Cost | \$1,800,000

