

MILL CREEK HEADWATERS RESTORATION



DESCRIPTION

Arnold, Anne Arundel County, MD

BayLand was contracted by the Anne Arundel County Department of Public Works to prepare a comprehensive restoration plan for the Mill Creek Headwaters following its inundation from a three million gallon wastewater discharge and related 1,700 cubic yard inflow of soil slurry into the floodplain, stream and tidal headwaters. BayLand had previously been contracted for emergency assessment, permitting, construction procurement and remedial construction inspection and oversight to reopen the stream and to restore the function of the adjoining floodplain. BayLand prepared and submitted a comprehensive environmental assessment along with the Joint/Federal State Permit Application, completed design and construction management services. BayLand continues to perform post construction and permit compliance monitoring.

Restoration Highlights:

- 550 linear feet of shoreline protection and 27,363 square feet of living shoreline created
- 7,230 cubic yards of environmental dredging to create shallow water habitat and limited local boat access
- 22,207 square feet of submerged aquatic vegetation planting terraces
- 27,217 square feet of submerged aquatic vegetation preservation and enhancement
- 5 private boating spurs

Client | Anne Arundel County Department of Public Works

Engineer | BayLand

Completed | 2012

Construction Cost | \$660,000

PHOTOS

