SAWMILL CREEK STREAM & WATERSHED ASSESSMENT

DESCRIPTION

Glen Burnie, Anne Arundel County, MD

The Sawmill Creek Stream and Watershed Assessment project consists of the assessment of an 8.8 square mile watershed to identify stream restoration and stormwater management (SWM) retrofits to document water quality credit towards Anne Arundel County's National Pollutant Discharge Elimination System municipal separate storm sewer system permit restoration requirement, and assist in meeting the County's wasteload allocation towards the Chesapeake Bay Total Maximum Daily Load. The project includes the assessment of 27,350 linear feet of stream, 52 adjacent SWM outfalls, and 8 SWM ponds to determine which reaches, outfalls and/or ponds are viable candidates for restoration and/or retrofit.

A Watershed and Study Area Assessment Report (WSAAR) was prepared that summarized pertinent attributes of the Study Area including: physiography, soils, climate, existing and historical land use, jurisdictional wetlands and streams, historic wetlands, plant communities, rare, threatened and endangered species, and cultural resources. This report also summarizes the areas targeted for restoration and the proposed restoration approach. Multiple assessments and analyses were conducted to determine the areas proposed for restoration, including: a visual assessment, constraints analysis, hydrologic analysis, geomorphic assessment, biological assessment and a function based assessment.

The WSAAR was completed in January 2017; design for the proposed restoration reaches, outfalls and SWM best management practices is on-going.

Client| Anne Arundel County Department of Public Works

Engineer | BayLand

Completed | On-going

PHOTOS