GROUNDWORK ANACOSTIA RIVER DC

Beautification with Green Infrastructure

Urban Waters National Training Workshop

July 27, 2016

WASHINGTON DC METRO AREA

PROGRAMS & PROJECTS

- Green Team
- Bandalong Litter Traps
- Watershed Protection Team
- Environmental Stewardship
- Pathways to Careers in Conservation
- Next Generation Natural Leaders
- Community Planning and Visioning
- Award Winning Green Infrastructure Projects

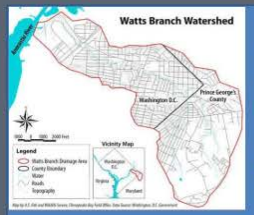

ANGING PLACES
ANGING LIVES
Trap TM
ersystems


U.S. Department of the Interior
Your Recovery Dollars at Work
Removal of Exotic Plants


AMERICAN
EAGLE

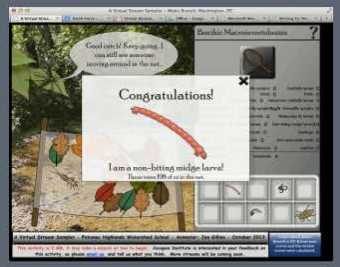
Watts Branch STREAM Project

SEED Public Charter School
Summer 2013



Watts Branch is a seven-mile long stream that runs from Prince George's County to the Anacostia River. It is the largest tributary of the Anacostia River in Washington DC. In 2011, the District Department of the Environment completed a 1.7-mile restoration project. This once highly polluted waterway is now part of the Anacostia River's recovery story—but much remains to be done.

The Student Training in Research Environmental Action & Monitoring (STREAM) project at Watts Branch is designed to engage students and their communities in understanding and protecting the Anacostia River's major tributary. The project provides opportunities for students to participate in field research and environment-based service learning while they expand their classroom experience. As importantly, STREAM encourages students to enjoy, value, and protect a vital environmental resource in their community.



The data collected will be used for the Cacapon Institute's virtual stream.

One thing we learned is that when the stream is dirty it affects a lot of living creatures that depend on it, like the crayfish and salamander.

Macro-Invertebrates Collected
Mayfly
Caddisfly
Eel
Watersnipe Fly
Tubifex Worm
Pouch Snails
Midge Larva
Aquatic Worms

We used nets to collect small macro-invertebrate and examined the macro-invertebrates we found. They can indicate the health of the stream.

Based on the macro-invertebrate pollution tolerance index, Watts Branch is in "fair" condition.

Chemical Test	Avg. Results
Dissolved Oxygen	5.8 ppm
Turbidity	0 JTU
Phosphates	0.75 mg/L
Nitrates	2.5 mg/L
Temperature	27.3 *C
pH	7.6

While cleaning the Bandalong trap we saw how much trash people are just throwing into the river, and we had to go in and clean up after them. If we all work together we can clean up the stream, but we need everyone's help.

FORT MAHAN TRAIL CONNECTOR

A TRUE COMMUNITY EFFORT


DCBIA 17th ANNUAL
COMMUNITY IMPROVEMENT DAY
DPR
Saturday, September 12, 2009, 7:00am - 5:00pm • Fort Mahan Park (Ward 7)
DCBIA wishes to express its gratitude to the firms and organizations that have made financial contributions and/or donations of professional and technical services, building materials and equipment, new products, skilled labor, and volunteer support for the renovation of Fort Mahan Park. This project is a public-private partnership between DCBIA and the National Park Service, DC Department of Parks and Recreation, and Groundwork Anacostia River DC.
LEAD FINANCIAL SPONSORS
Hines (9th Year as Lead Financial Sponsor)
Archstone (3rd Year as Lead Financial Sponsor)
Somerset Partners (2nd Year as Lead Financial Sponsor)
LEAD ARCHITECTURE, GENERAL CONTRACTING & SUPPLIER FIRMS
DBI Architects, Inc. • Goldin & Stafford, LLC
Heavy Equipment Training Academy, LLC • HITT Contracting Inc.
Turner Construction Company

2015 | BEST URBAN BMP in the Bay Award

Presented to

Groundwork Anacostia River DC

for Third Place in the

BEST COMBINATION OF BMPS IN A SERIES CATEGORY

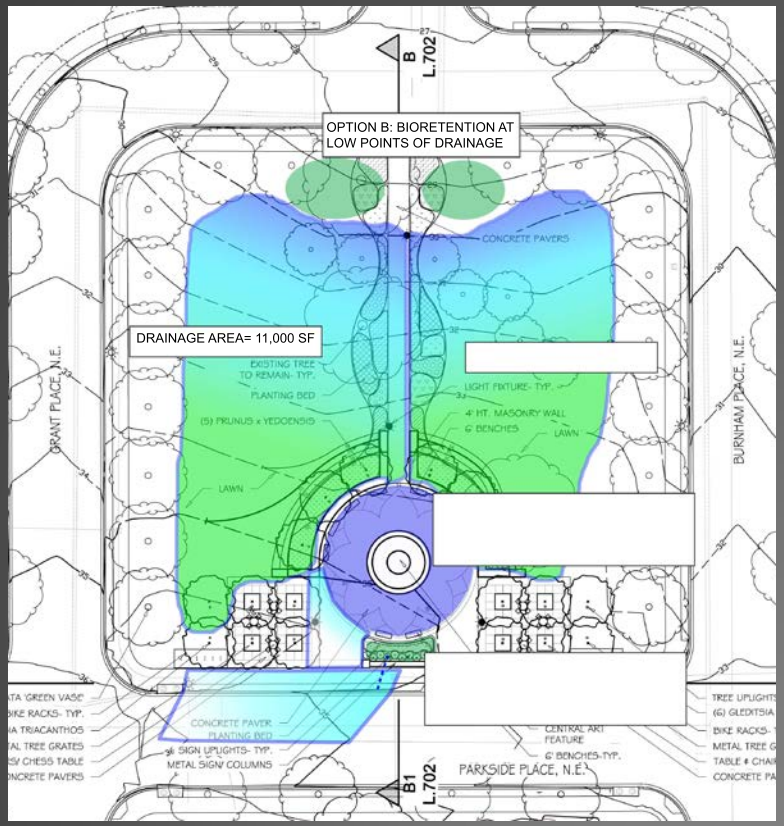
The Green at Parkside: is a one-acre community park located in the burgeoning Parkside neighborhood in the northeast quadrant of DC. The Green, formally a vacant lot that drained to the surrounding catch basins, features a state-of-the-art stormwater management system. The site contains four bioretention facilities that treat a drainage area of over 60,000 ft^2, almost half of which is impervious. In addition, the pervious pavers infiltrate rain that falls directly on the site into tree boxes, and any overflow is conveyed to the bioretention facilities.

Nicholas A. DiPasquale
Director, Chesapeake Bay
Program Office, U.S. EPA

Thomas R. Schueler
Executive Director,
Chesapeake Stormwater Network

CHESAPEAKE STORMWATER NETWORK

THE GREEN AT PARKSIDE
100% STORMWATER CAPTRE PROJECT



THE GREEN AT PARKSIDE

COMPLETED DECEMBER, 2014

Before

After

THE GREEN AT PARKSIDE
WARD 7
WASHINGTON, DC

Dennis Chestnut | Executive Director
Groundwork Anacostia River DC
www.groundworkdc.org