

Tools used to Reduce Trash in the Anacostia River

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Examples of what we're talking about



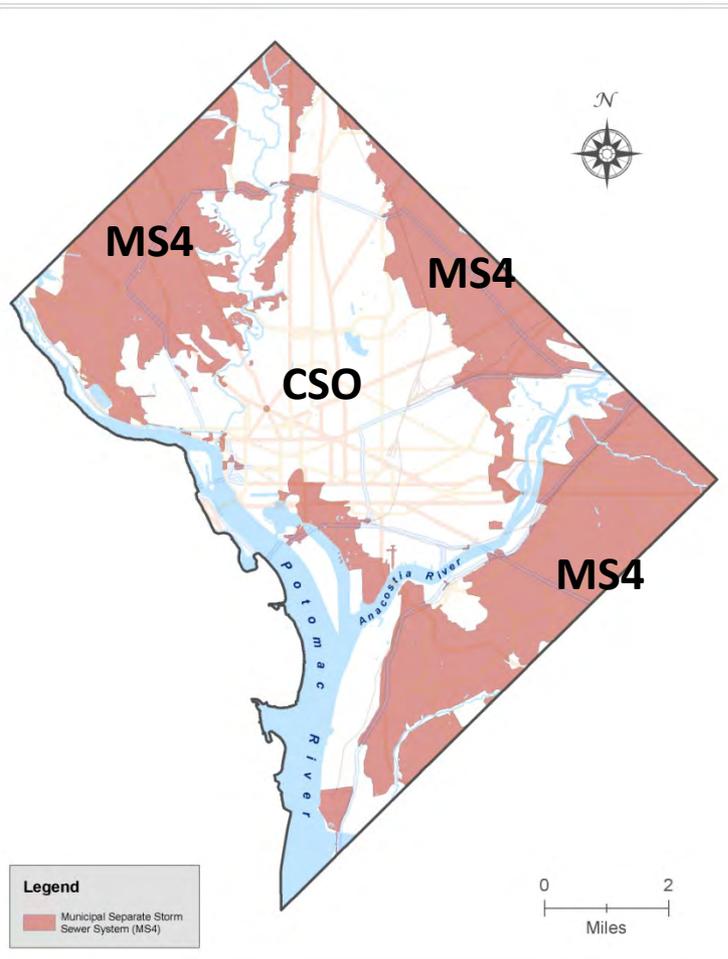
Trash leaving an MS4 Outfall



Trash leaving an MS4 Outfall



What are the sources?



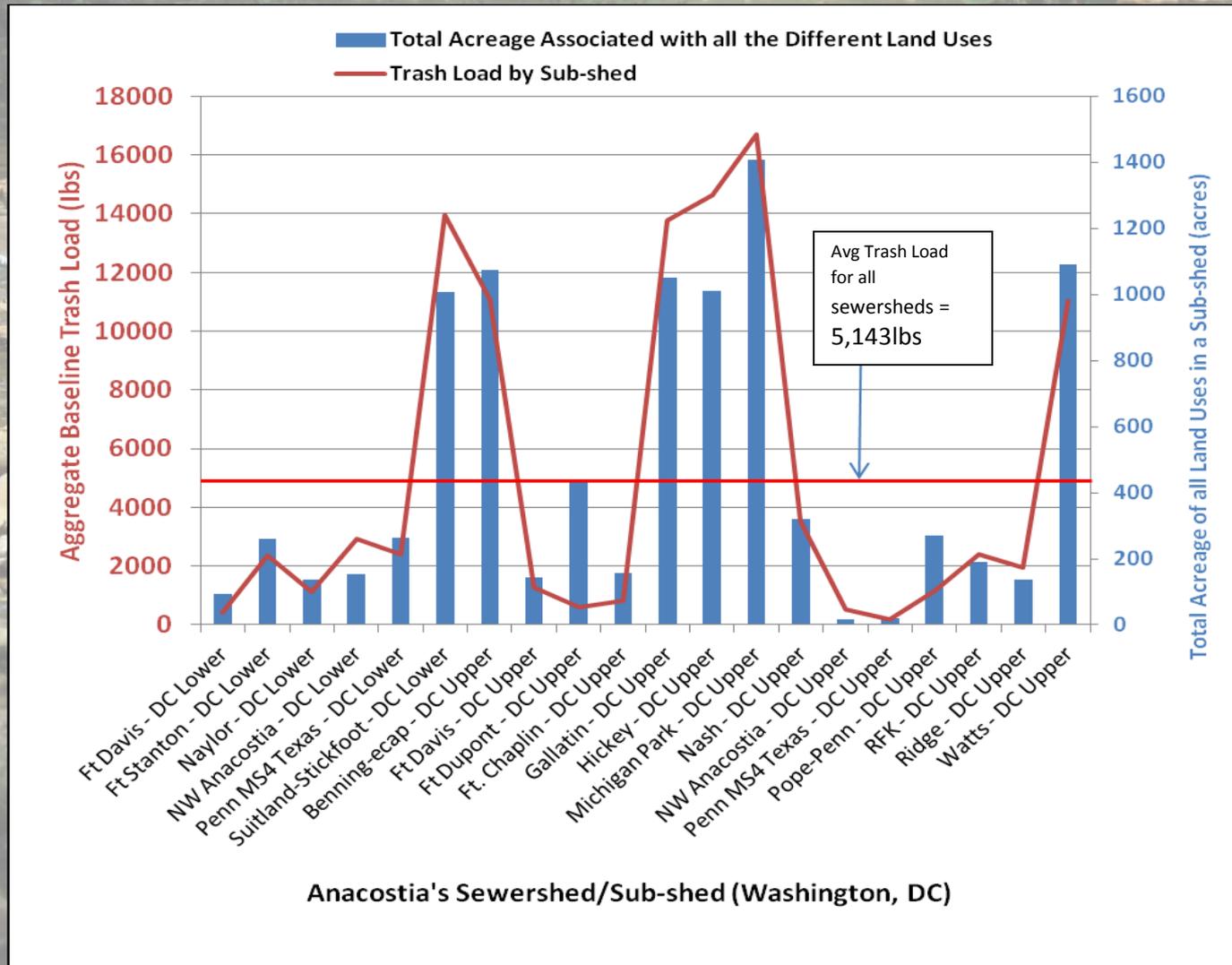
- ~1/3 of the District is served by a CSO (estimated to produce ~94,000 lbs/yr)
- ~2/3 served by an MS4 (estimated to produce ~103,000 lbs/yr)
- Total non-point source load → 20,048 lbs/yr

Targeting



- Being a city, the District is very piped.
- The MS4 area is divided up into sewersheds.
- From past monitoring efforts we estimated trash loads leaving those sewersheds
- We target implementation in sewersheds with above average trash loads

Targeting



Current Locations of Trash Traps



Structural Control

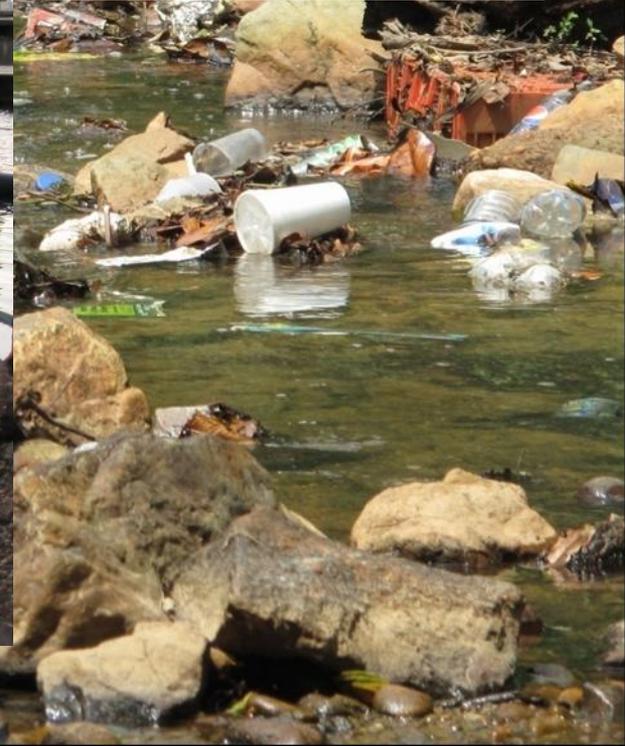


- **Bandalong trash trap at Kenilworth Park**
- **Currently, 3 bandalongs have been installed throughout the District.**
- **We estimate over 12,000 pounds, or 6 tons, of PURE trash has been removed since installation of all three.**
- **Cost ranges from \$50K - \$95K for installation**
- **Maintenance cost ranges from \$28K to \$44K/year**

More Bandalong Pics



**James Creek
Bandalong**



More Bandalong Pics

Marvin Gaye Park Bandalong

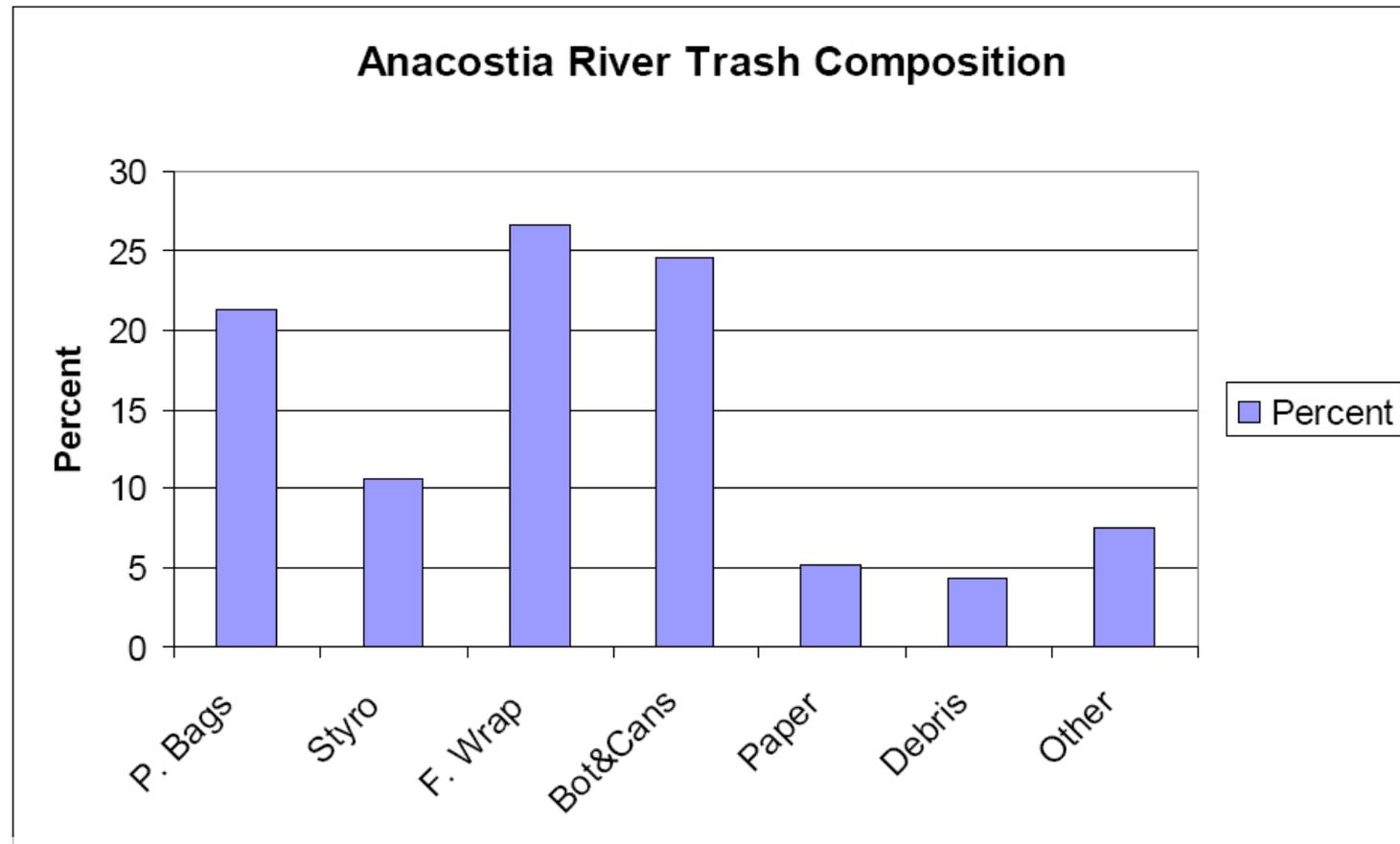


Structural Control



- **Nash Run trash trap at Kenilworth Aquatic Gardens**
- **Custom design and install by the Anacostia Watershed Society**
- **Approximately 13,000 lbs (almost 6.5 tons) collected by this trap since its installation**
- **Cost is ~\$60,000 for installation and two years of maintenance**

Important Policies Implemented



2008 Data Collected by the Anacostia Watershed Society

Non-Structural Control



- **Anacostia River Restoration & Protection Act of 2009 (the Bag Law)**
- **Requires a \$0.05 fee on all bags distributed as part of purchases in DC**
- **Businesses surveyed have shown a 50% reduction in bag purchases**

Non-Structural Control

- 2014 Sustainable DC Omnibus Bill (the Foam Ban)
- Ban takes effect Jan 1, 2016
- Bans food service businesses from serving prepared food in expanded polystyrene containers
- Working on developing a measure of success



Non-Structural Controls



YOUR LITTER HITS CLOSE TO HOME.

Piece by piece, litter adds up, and makes the places we go to every day unsafe and unhealthy.

Take control.
Take care of your trash.
www.trashfreepotomac.org



Log In

Partnerships brought to you by Alice Ferguson Foundation, Metropolitan Washington Council of Governments, the District of Columbia Government, the Montgomery County Government, the Prince George's County Government, the Fairfax County Government, the City of Arlington Government, the Charles County Government, and the City of Rockville Government.



- Piece by Piece, litter adds up, and
- Makes the places we go to every day
- Unsafe and unhealthy.

- Take Control.
- Take care of your trash.

- **Clean Land. Safe Water. Healthy**

Lives.

Non-Structural Controls



SU BASURA ESTA CERCA DE CASA.

Pedazo a pedazo, la basura se acumula y hace de los lugares que visitamos todos los días inseguros y malsanos.

**Tome el control.
Hágase cargo de su basura.**
www.trashfreepotomac.org

 CLEAN LAND.
SAFE WATER.
HEALTHY LIVES.

A campaign brought to you by the Alice Ferguson Foundation, the Metropolitan Washington Council of Governments and the governments of the District of Columbia, Montgomery County, Prince George's County, Fairfax County, Arlington County, Charles County, and the City of Rockville.

- AFF is currently assessing the effectiveness of the campaign with on the ground monitoring efforts.
- They're using visual trash surveys, observing littering behavior and conducting on-line behavioral surveys
- Results should be finalized by next year

Looking Forward to a Clean River!!!



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