



"We have a net trap at another outfall and the Anacostia River Watershed Society built its own litter trap to test simultaneously with the Bandalong. Neither did as well as the Bandalong in last summer's heavy rains and high flow rates. Provided the application is appropriate, I would recommend the product."

- John Wasiutynski
Environmental Protection Specialist
District of Columbia Department of Environment



Bandalong Litter Trap™ Case Study

Washington, D.C.'s Anacostia River

Background: the history of the Bandalong Litter Trap

The Bandalong Litter Trap uses only the natural current to passively collect floating litter 24 hours a day, 365 days a year. For over 15 years, the Bandalong has successfully cleaned waterways internationally. In 2008, Storm Water Systems, Inc. began manufacturing this revolutionary device in Cleveland, Georgia, USA. As a winner of the 1995 Australian EPA Clean Water Award, the Bandalong is a proven BMP for capturing and retaining floating litter before it travels further downstream. To date, there are over 195 Bandalong Litter Traps worldwide.

Situation: the capital's filthy river

With a population of over 5 million people, it's no wonder our nation's capital is home to one of the most polluted rivers in the country. In Washington D.C., a combined sewer system serves 12,955 acres (33%) of the city. Stormwater runoff conveys large amounts of litter that is eventually emptied directly into the Anacostia River. The Metropolitan Washington Council of Government estimates that more than 20,000 tons of trash enter the river each year. In 2009, the DDOE awarded a grant to the Earth Conservation Corps (ECC) and the Anacostia Riverkeeper to fund a Bandalong Litter Trap installation in a trash "hot spot" in the Watts Branch tributary, which flows through some of the most impoverished sections of the city.

Results: the start of a clean river

The ECC, the volunteer organization responsible for cleaning out the trap, reports that in 12 months of active precipitation, the Bandalong Litter Trap successfully:

- Collected a total of **6,021 pounds** of trash with a monthly average of **501.758 pounds** of trash being removed
- Prevented **3.011 tons** of trash from entering the Anacostia River, Potomac, and ultimately the Chesapeake Bay.
- Stopped items as small as plastic bottles, balls and plastic bags to large items including 10 tires and one shopping cart from floating further downstream.

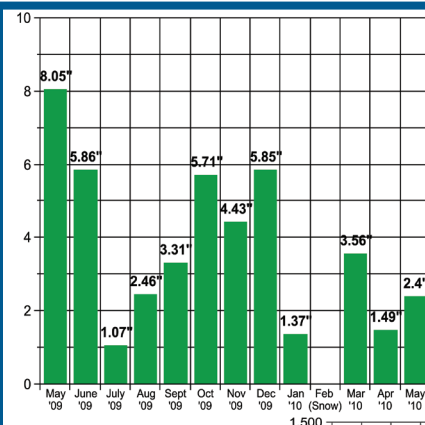
TESTIMONIALS

"Advancements in technology such as the Bandalong Litter Trap allow for floating litter to be stopped in its tracks at all hours of the day, every day, free of human or energy assistance. With this investment, the District is leading the nation and making a concrete statement and commitment to clean water for decades to come."

- Dottie Yunger
Anacostia River Riverkeeper

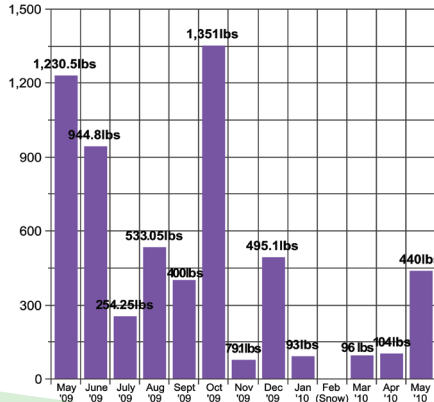
"Although our Earth Conservation Corps team has been taking trash out [of the litter trap] for the last 15 minutes to half-hour, it is still full... They removed all of the trash just a week ago. All of that trash has been collected in this little stream leading into the Anacostia River by the Bandalong Litter Trap in just one week... We are excited to be the first city in the Western Hemisphere to use the Bandalong Litter Trap."

- Adrian Fenty
Mayor of Washington, D.C.



Inches of Rain in Washington, D.C. from May 2009 to May 2010

Pounds of Trash Collected from May 2009 to May 2010



BENEFITS

- Cost-effective, efficient, easily managed solution for the growing problem of floating litter in our waterways
- Device will not cause flooding
- Effective in low and high flow rates
- No netting or fencing makes device safe for all aquatic wildlife
- Does not interfere with recreation
- Custom signs demonstrating anti-litter or clean water campaigns and sponsors raises public awareness of issue
- Patented tidal gate prevents litter and debris from exiting the trap