



"Today, we take a giant step to eradicating litter from the Satilla River... The Bandalong Litter Trap being debuted today is a true example of what Keeping Waycross and Ware County Beautiful is all about."

- Wilton Deloach  
Keep Waycross/Ware County Beautiful

# Bandalong Litter Trap™ Case Study

## Waycross, Georgia's Satilla 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: a small city's big effort

The Satilla River flows throughout Southeast Georgia's wetlands before emptying into the Atlantic Ocean at the Cumberland Sound. Along the river's path is the city of Waycross, Georgia. With a population of less than 15,000 people, Waycross is in good standing with the Environment Protection Division. However, the city drainage canal is a Satilla River tributary, draining more than 8,000 acres of urban development. Although the city was under no legal obligation to clean the waterway, the amount of trash transferred by stormwater runoff concerned local residents and the Satilla Riverkeeper. Thanks to a positive relationship between the city of Waycross and the Satilla Riverkeeper, efforts were initiated to find a solution.

### Results: success in the Satilla

In September 2010, ESG Incorporated, the company contracted to empty the Bandalong's lift-out basket, reported that in less than five months, the Bandalong successfully stopped 73 cubic yards of trash from entering the Atlantic Ocean. Because the trash isn't weighed, it is impossible to measure the trash in tons. Even so, 73 cubic yards of trash spread one inch high is enough to cover half of a football field. For a small town in good standing with the EPA, 73 cubic yards of trash in less than five months is startling. Additionally, the trap is easily emptied requiring minimal maintenance. "In my opinion, the Bandalong is doing a fine job," said Operation Supervisor, Terry Sweat. "The cleaning process is working well for us. We have it cleaned in about 45 minutes on a normal routine."

### TESTIMONIALS

"Water is one of Georgia's most important and precious resources. The litter trap installed by Waycross is a model of stewardship for the state and the nation."

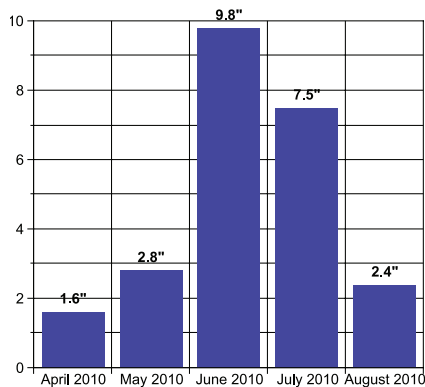
- Governor Sonny Perdue  
81st Governor of Georgia

"A cleaner Satilla River will be the result of persistent local Riverkeepers' efforts, the city's desire to clean the Satilla and our ability to secure a grant for such a technically and economically feasible project such as the Bandalong Litter Trap."

- Clarence Billups  
Mayor of Waycross, Georgia

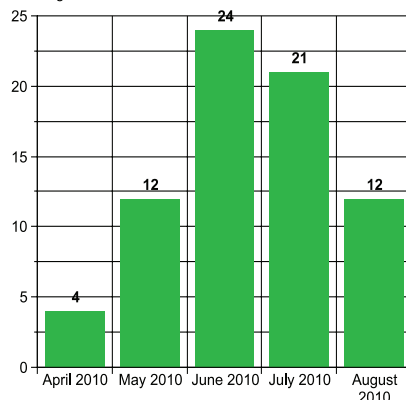
"The Bandalong system was simple to install, requiring minimal stream buffer encroachment and no impact on the regulatory floodway which makes it economical to deploy. To date it has performed without a glitch, providing a simple, low maintenance means of intercepting litter."

- Frank Baugh  
Waycross City Engineer



Cubic Yards of Trash Removed in Five Months

Inches of Rain in Waycross, GA in Five Months



### 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