Established in 1973, our mission is to inspire, equip, and mobilize individuals and communities to take care of the places we love to live. Through community-based, volunteer-led environmental conservation projects and education programs, we work together to enhance the environment and quality of life for all residents of Asheville and Buncombe County.

Today, Asheville GreenWorks is the most active environmental non-profit in Western North Carolina working with over 3,500 volunteers and managing 200+ projects annually.
SERVICES WE OFFER

- Consultation
- Project Management
- Manufacturing
- Turnkey Solutions
- Program Guidance
Stormwater-driven litter is responsible for 75% of the manmade trash found in local waterways.

Trash left in waterways will photodegrade into microplastics that will be consumed by higher and lower benthic creatures.

All rivers eventually empty into the oceans, transporting microplastics further afield.
LITTER SOLUTIONS

TRASH TROUT™

Simple and effective traps designed to capture stormwater litter to keep it from polluting our downstream neighbors.
HOW DOES IT WORK?

Utilizing the flow of the waterway, flotation and a mesh gate, we're able to seize floating garbage and contain it until it's ready to be cleaned out. The device doesn't contain a top or bottom to allow creatures to pass through without harm. The 3/4 openings in the mesh gate keep smaller benthic critters from becoming entangled in the trash.
Connections to the banks are achieved by using a combination of ground anchors, posts and cement. We use 7/19 strand galvanized cable to secure the traps, along with heavy gauge clamps and rust resistant hardware. Connection points on four sides maintain stability and keep the device in the primary flow of the waterway. The trap rises and falls with the water levels and is built to withstand average flooding events. *The larger Trash Trout requires heavier connection points to support the device.
TRASH TROUT™

This larger trap is meant for waterways with higher flow rates, large inlets and wider connection points.

TRASH TROUT JR™

This device is perfect for smaller urban tributaries. It is easy to install, access, and move around for educational and research purposes.
SPECIFICATIONS

TRASH TROUT™
Built in the USA by Elastec Marine

Measurements
Traps 2ft (h) 10ft (w) x 20ft (l)
Booms 20 to 100ft (L)

Weight
Trap 1,800lbs
Booms 270lbs (each)

Materials
Frame: Heavy Gauge Aluminum
Pontoons: 6010 Aluminum
Gate: 3/4 Expanded Mesh

Storage Capacity
512 cubic ft

Site Specs
Not to exceed bank width of 200ft
Max historical flow rate 25k cfs
SPECIFICATIONS

TRASH TROUT JR™

Built in the USA by Asheville GreenWorks

Measurements
Trap 2ft (h) x 6ft (w) x 8ft (l)

Weight
Trap 250lbs

Materials
Frame: Galvanized Steel
Pontoons: 6010 Aluminum
Gate: 3/4 Expanded Mesh

Storage Capacity
96 cubic ft

Site Specs
Not to exceed bank width of 50ft
Max historical flow rate 5k cfs
FAQ

The Trash Trout™ is a work in progress. As we make improvements, we will connect with our network and pass along any suggestions that may improve its performance and longevity.

Q. When do you clean out the trap?
A. After a significant or lengthy rain event.

Q. How long will the unit last?
A. 5 to 10 years with regular maintenance.

Q. Can I pay you to install the trap?
A. Yes, Asheville GreenWorks can be contracted for installation.

Q. Have you ever lost a trap due to vandalism?
A. Yes, we recommend that you install your trap in a visible area to promote advocacy and honesty.

Q. What's the most common item found in the trap?
A. Plastic beverage containers and styrofoam.
Asheville GreenWorks
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