

CUSTOMER CASE STUDY

BEEMATS FOR IMPROVED WATER QUALITY

Gainesville, GA



PROJECT OVERVIEW

PROJECT / CUSTOMER:

City of Gainesville, GA

LOCATION:

Gainesville, GA

PRODUCT / SOLUTIONS:

- BeeMats

CHALLENGE:

Improve water quality in the Flat Creek Watershed by reducing nutrient loads (specifically phosphate levels). Furthermore, the customer wanted to ensure the water quality solution was long-lasting, aesthetically pleasing, and environmentally sensible.

SOLUTION:

BeeMats were installed at a fire pond that once served as a century-old mill in downtown urban Gainesville. At this location, there were three 450 sq. ft. islands. Then, native plants were added to the floating wetland. These plants included: *Canna flaccida*, *Juncus effusus*, *Pontederia cordata*, *Canna generalis*, *Agrostis alba*, and sedges.

THE FERGUSON ADVANTAGE:

- Commitment to going the extra mile(s) for our customers
- A complete offering of Waterworks, Geo, and Stormwater products
- Strategic national network of locations
- Value-engineering services driven by expert associates with industry experience

BACKGROUND AND SCOPE

Flat Creek is a tributary that flows through Lake Lanier and into the Chattahoochee River in Georgia. This waterway is home to a diverse habitat and is admired by many visitors.

The Flat Creek headwaters, located in downtown Gainesville, GA, experienced nutrient loading from stormwater runoff. Because this depleted the water's O2 levels, fish habitats were consequently impacted. Over the years, both government agencies and universities have performed regular testing to track the water's quality. Eventually, the EPA considered Flat Creek impaired. Drastic changes needed to be made to improve the overall quality of the water.

THE SOLUTION: FERGUSON WATERWORKS

When it comes to innovative urban stormwater solutions, Ferguson Waterworks functions alongside you to accomplish all project goals. From engineering assistance and estimation to project management, consider us your comprehensive supply partner. Connect with your local expert today or send us a message for project assistance.