

Lake Whelchel

Gaffney, SC



Featured Product:

Beemats Floating Wetlands

Product Advantages:

- Sequesters excess bioavailable nutrients in the water column.
- Competes with invasive species using native plants.
- Can be utilized in new construction or retrofits.
- Periodic maintenance ensures success of project.
- Included reports shows the removed nutrients.

The Challenge

Lake Whelchel is a dammed reservoir that supplies drinking water to the city of Gaffney, while also being enjoyed for activities like fishing, swimming, and boating. It was plagued with algae blooms year after year, being most pronounced during the summer months.

The lake topped the chart on the South Carolina Cyanotoxin Distribution Project list in 2018 and continued in that spot. Also, it was added to the 303d list for impaired waters the same year.

The Solution

We strategically placed Beemats Floating Wetlands at the inflows that are responsible for carrying in nutrients mostly from agriculture runoff.

Through periodic maintenance intervals we were able to show removal rates of total phosphorus and total nitrogen.

For more information, contact one of our experts:

Julie Ball, (864) 387-0504, Julie.Ball@ferguson.com