

# Pond and Lake Maintenance

## Experience and Services



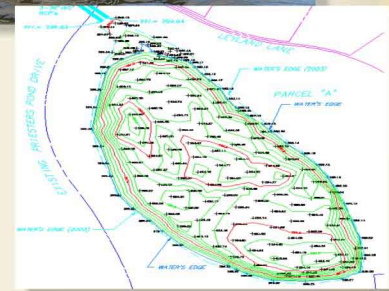
WSSI is fully equipped to provide turnkey services to assist the owners of ponds, lakes, or stormwater management detention in maintaining their facilities. Our staff of engineers, surveyors, regulatory specialists, and ecosystem specialists can perform all the necessary tasks to maintain or restore the appearance and/or functionality of a pond or lake.

### WSSI provides the following services:

- ◆ Inspections of the dam and outlet works
- ◆ Eradication of noxious aquatic weeds
- ◆ Bathymetric and sediment surveys
- ◆ Dredging and obtaining all necessary permits
- ◆ Retrofit and enhancement plans



WSSI Surveyors performing a Bathymetric Survey on the Potomac River



Bathymetric Survey Map -Priester's Pond, VA

The WSSI survey department has extensive experience performing bathymetric surveys in accordance with the U.S. Army Corp of Engineers standards. We employ the latest technology (sonar and GPS) to provide a detailed topographic map of the bottom of the impoundment or waterway.



WSSI engineer inspecting the condition of a dam principal spillway on North Fork - Haymarket, VA

WSSI engineers inspect dam embankments and outlet works to ensure their structural integrity as well as to highlight potential issues that may lead to future problems.



Certified staff applying herbicides to eliminate algae blooms

Nutrient inputs can often lead to blooms of algae and other noxious aquatic weeds. These plants not only detract from the aesthetics of the pond or lake, but in the case of algae can also result in poor water quality. Our staff of trained and certified herbicide applicators can treat your facility with the proper type and quantity of herbicides to eradicate these species.

**WSSI also has the capability to dredge soft sediments from ponds and lakes using a system that allows for on-site dewatering of the sediments – which saves time, money and greatly reduces the volume of material that must ultimately be disposed of.**

- ◆ The DINO Six Sediment Removal System is floatable, transportable, economical, and can access ponds where traditional hydraulic dredging systems cannot

- ◆ Sediment is excavated from the bottom of the pond and carried away through a pump for drying in de-watering tubes. The dewatering tubes are allowed to dry and the sediment is easily removed for transport and disposal, or used on site.



DINO Six floatable sediment removal system



Dewatering tube and sediment ready for removal

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