



Golf Course Lake and Pond Management

Sustainable Solutions for Enhancing Beauty and Restoring Balance

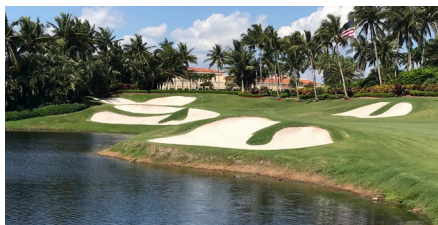
Golf course lakes and ponds are aesthetically pleasing features, providing a challenge to golfers and often serving as vital irrigation sources for watering turf. Managing a golf course lake or pond, however, can be complicated. These aquatic ecosystems need professional care, and SÖLitude Lake Management® is dedicated to providing full service lake and pond management solutions that will help restore balance to your aquatic resources and keep your course looking great.

SÖLitude's Annual Advantage

Golf course lakes and ponds are the catchall for nutrient runoff from fertilizer and other natural organic debris, which pollutes water and results in unsightly algae blooms, invasive aquatic weeds and foul odors. Our comprehensive program of year-round preventative care helps to ensure that your waterbodies remain healthy and the quality of your irrigation water remains reliable. Our experts don't just treat issues you already have using herbicides, we implement proactive integrated management solutions such as aeration, nutrient remediation and beneficial buffer plantings.

Shoreline Erosion Repair

Erosion is a natural phenomenon that often causes steep, uneven slopes along lake and pond banks and can lead to the loss of habitat and land, resulting in decreased property value and hazardous terrain for players. Repair your shoreline and halt future erosion damage with bioengineered living shorelines.



Buffer Management

Having a shoreline vegetative buffer helps prevent nutrients and sediment from entering waterbodies and thus helps limit unwanted plant and algae growth.



A good buffer will:

- Filter nutrients from runoff and help prevent erosion
- Increase the aesthetic value of the course
- Help keep trash from blowing into the water
- Deter nuisance wildlife such as Canada geese

Aquatic Weed and Algae Control

Having nuisance aquatic vegetation and algae in lakes and ponds not only creates eyesores on the course, but also jeopardizes the ecological balance of your waterbodies. We utilize the most advanced products and practices to provide our clients with high-quality environmentally conscious algae and aquatic weed management services.





Water Quality Testing

Golf course lakes and ponds have unique issues and needs for their water. Integrated lake and pond management programs begin with establishing a baseline understanding of the current conditions, through water quality testing. This data is then used to develop a customized water quality restoration program.



Nutrient Remediation

Reducing phosphorus in your lake or pond with the application of phosphorus locking technologies like Phoslock, Alum and Biochar can help prevent some of the most significant water quality problems. These eco-friendly products are also an excellent choice for waterbodies that are used as irrigation sources.



Aeration and Fountains

Floating fountains are visually pleasing additions that can enhance the look of signature holes on your course. For those who prefer a more natural look, submersed aeration systems provides excellent benefits. Either type of aeration will help to mitigate the damage caused by excessive nutrient loading, and help to restore and maintain your water quality.



Mosquito Control

In addition to being an annoyance to golfers, mosquitoes also pose a significant risk to public health as they may be carrying a number of debilitating and deadly diseases. That is why it is important to have an integrated mosquito prevention and control program as part of your overall course management plan.



Invasive Species Control

Invasive plants are non-native species that, once introduced into a new habitat, spread rapidly and widely. To help combat these harmful intruders that threaten to take over the course, we offer aquatic and upland weed and invasive species management services.



Hydro-Raking and Sediment Removal

Hydro-rakes are used to remove unsightly aquatic weeds, decaying organic matter and soft sediment from the bottom of lakes and ponds. Removal of these materials reduces nutrient loading, increases depth to mitigate flooding and prolongs the need for dredging which can be costly and may require draining the waterbody and closing the course.



Using Bathymetric Lake Mapping to Prepare for Dredging

Bathymetric lake mapping allows sedimentation levels to be tracked so that you can properly budget and prepare for future dredging. We offer the most technologically advanced lake mapping services available on the market.

Cost-Effective Strategies

While lakes and ponds are important components of the golf course, we understand that the majority of the budget is allocated to essential maintenance of the turf. For our golf course clients, we focus on sustainable and cost-effective strategies that will allow them to meet their goals for both their ponds and their turf.

“We used to struggle with many different issues in our pond on holes 15, 16 and 17. It was not uncommon for us to see algae blooms appear out of nowhere along one of the most important focal points of the course. Since SÖLitude has been taking care of the pond for us, we have had very little issues with the aesthetic qualities of our pond. SÖLitude has taken a huge burden off of my shoulders.”

Keith Wood

Golf Course Superintendent



The
Stewards
of **Water**