



## Innovative and Customized Solutions for Fisheries Management

The expert fisheries biologists at SOLitude Lake Management® combine advanced-level education and extensive in-the-field training with many years of experience and a deep-rooted passion for lake and pond management. From complete ecosystem management, fish surveys, fish stocking and fish removal to permitting and regulatory compliance, professional fisheries management is your ticket to a vigorous and sustainable fishery.

### 6 Key Reasons To Invest In SOLitude As Your Professional Fisheries Management Company

#### **Personalized Fisheries Management**

SOLitude's fisheries biologists work closely with you to design an individually tailored Fisheries Management Plan that is customized to your specific goals, budget and timeframe.

#### **Long-Term "Big Picture" Management**

SOLitude is staffed with experienced fisheries biologists and other degreed scientists who are well-equipped to assess the big picture of your fishery's vitality. They are intimately familiar with the complexity of the entire ecosystem, understanding the direct results of each aquatic solution they propose, as well as their long-term "ripple effects."

#### **Comprehensive Services**

SOLitude is your one-stop shop for fisheries, lake, and pond management. Whether you're in the market for a healthy lake or pond with a balanced fish population or a high quality trophy fishery, make sure you are working with only the best and most qualified professionals, capable of providing you with the full array of expertise and service necessary to manage all aspects of your aquatic ecosystem.

#### **Experts In Numbers**

Fisheries management professionals understand the proper stocking ratios to create and maintain a healthy fishery. Our biologists have access to a wide variety of predator and forage fish species, and will only stock your lake or pond with the correct quantities, sizes, and species of fish necessary to help you meet your short and long term goals.

#### **Access To Required Certifications & Permits**

Many of the high-level fisheries management techniques necessary for your success are not available to the public. For example, certain types of herbicide treatments require state and federal licensing and permit compliance. Electrofishing and some fish stocking require state permits as well. SOLitude's biologists have the knowledge required to help you seamlessly navigate the regulatory aspects of this work.

#### **Access To Specialized Equipment**

SOLitude has the specialized equipment needed to provide a variety of selective fisheries management strategies such as electrofishing, GPS surface and bottom contour mapping, water quality restoration and liming, water quality monitoring, fish stocking and much more. This equipment can be used for evaluating all aspects of your fishery, assessing fish populations, sizes, species, classes, and predator-to-prey ratios, as well as improving the habitat. Having access to these services will play a critical role in the success of your fishery and will help you achieve your goals.

## Habitat Management

- **Improving Fish Cover** will help provide needed refuge for small fish and the desired hunting grounds for larger fish. This includes both natural and artificial cover.
- **Water Quality Testing** identifies if the ecosystem surrounding the fish is healthy and prosperous. This is key when looking to improve your productivity.
- **Liming** greatly influences fisheries productivity by restoring the pH and alkalinity to proper levels.
- **Aeration** is a great tool to manage and improve water quality while increasing productivity.
- **Managing Aquatic Vegetation and Algae** is essential to lake and pond management, and both beneficial and nuisance species can have a significant impact on the success of your fishery.
- **Fertilizing** to create plankton-rich ponds can help you produce and maintain up to four times the biomass of fish than would otherwise be possible in a clear pond.



## Species Management

Depending on your goals, different predator species will play into your management strategy. When it comes time to implement the desired management program, whenever possible, let the forage base establish prior to introducing the predators. Your patience will be rewarded!

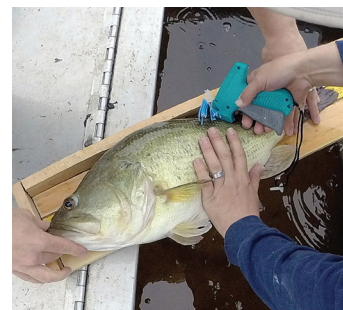


## Supplemental Feeding

For those looking to establish a quality fishery, supplemental feeding in the form of stocking forage fish, fertilizing, or pellet fish feed will boost the biomass of predator fish within a lake or pond.

## Electrofishing

- Electrofishing is a tool used to gather fish population data without harming the fish. Using the most advanced and versatile equipment in the industry, SOLitude's fisheries biologists are able to make accurate decisions to improve management techniques.
- Fish are tagged to monitor growth rates and to collect mark-release-recapture data to aid in population assessments and future planning.
- Fish age data is collected to provide insight on the fishery's history and current health.



## Trophy Management

We can design a fisheries management program that will take your experience to new heights by identifying and addressing the key limiting factors restricting fish growth and productivity, including cover, water quality, predator-to-prey ratios, fish species composition and genetics.



## Lake Design

Including a fisheries biologist on the front end of the lake construction process will ensure that the fishery can produce the desired fishing experience while maintaining balance with minimal annual maintenance expenses. Our fisheries biologists provide consulting and lake design services to land owners looking to build or remodel waterbodies.

