

THE ABC'S OF LAKE MANAGEMENT

Lake Management Services, LP



LAKE MANAGEMENT
SERVICES

“So What is Lake Management?”



Our Business



- We are Texas' oldest, largest and most complete lake management company. Founded in 1980, what we have amassed is the experience, relationships, products, services and infrastructure to manage urban water to the highest level.
- We service the Greater Houston Area, Dallas/Ft. Worth Metro areas, San Antonio and Austin with four satellite branches, all equipped to give our customers the local presence they need and quick response times their clients expect.
- We manage waterways from less than 1/2 acre to several hundred acres in size. We work for HOA/POAs, municipalities, municipal utility districts, private land owners and Texas Parks and Wildlife.
- One of the many things that set us apart from the typical "maintenance" company is communication. The only way a manager knows that work is being done is if they are informed. When updates about the waterways are asked, you most likely will have already gotten the answer from our crews.



Services Offered



- Scheduled Maintenance Agreements
- Fountain/Aeration Sales and Service
- Aquatic Weed Control
- Aquatic Vegetation Mowing (Amphibious)
- Well Monitoring and Management
- Aquatic Water Feature Management and Design
- Shoreline Restoration
- Fisheries Management
- Design and Construction Consulting



Scheduled Maintenance Agreements (SMA)

This is the core of what we do. We have the ability to manage this on a schedule that best meets your needs. Weekly, Bi-weekly and Monthly plans are available.

Due to our technological advantage, we are able to report, invoice, inventory, quote, schedule and most importantly... communicate all in the field when the work is being accomplished.

This gives us the ability to meet and exceed your expectations and offers you the flexibility to request action without extra charges.

- Aquatic Weed Assessment
- Fountain Maintenance
- Well Monitoring
- Trash Removal
- Water Quality Assessment



Fountain/Aeration Sales and Service

If your waterway has a fountain in it, the fountain will at some point will need to be looked at.

Having the experience of managing over 1500+ units in the field, assists us in getting you the right fountain for the job when purchasing a new unit and it give us the ability to tell you when it is fiscally responsible to attempt a repair or purchase a new one.

We work with the nation's top fountain/aeration companies. We are the largest Otterbine distributor in the U.S. and we have factory trained technicians to make warranty repairs on Otterbine and AquaMaster Fountains. The only company in Texas that can make that claim.

- Proactive Inspections
 - Checking Units Vitals Every Visit
 - Resetting Timers
 - Inspecting/Repairing Lights
 - Cleaning Patterns
 - Clearing Blockages
 - Factory Training and Support
- Prompt Sales/Repair Quotes
 - Cost/Benefit on Repairs vs. Replacements
 - Turn Key Solutions Using Our Trusted Subcontractors



Aquatic Weed Control

Vegetation around a lake can either be good or bad. In nearly all cases, it needs to be managed.

The laws of nature will always want a lake to turn back to a swamp and fill itself in. How you want it to look determines what needs to be done on a continual basis.

We are limited in the tools to manage weeds/algae by the EPA and Texas Dept. of Ag. All of our approved products are safe and leave no residual effects.

With those limitations it's often necessary to not only manage growth but also manage expenses for treatments.

- On-Site Observations
 - Proactive Treatments
 - Sub-Surface Sampling
 - Potential Irrigation Restrictions
 - Determine Factors for Weed Growth
- Qualified Applicators
 - Continual Training on Regulations, Techniques and Products
 - Risk Assessments on Each Treatment
 - Partial Treatments in Cases Where Oxygen Issues Are Likely
 - Follow-up Observations and Treatments



Aquatic Vegetation Mowing

Similar to our efforts in treating vegetation with traditional means and methods, there are instances where the areas needing to be treated are so overgrown typical applications are impossible.

We have two pieces of equipment that are both amphibious and were created to handle overgrown lake edges and formerly “dry” detention areas.

In a typical lake or pond scenario, weeds such as cattails can grow from under the waterline and take over a waterway. The same can be said for a dry detention area that has, over a period of time, lost its ability to drain properly and weeds take over.

- Fast Results
 - Like standard mowing, our machines can make a quick return to proper aesthetics.
- Easy Management
 - After the cut is complete, the Association can determine if they would like to schedule follow-up cuttings or treat the cut vegetation in a traditional fashion.



Well Monitoring and Management

Water wells are expensive, hard to monitor and the rules for permitting are complicated and ever changing, but they are what keeps your lake from being a dry lakebed.

Due to the tremendous cost of water and the potential penalties for exceeding your permitted amount, someone needs to have an eye on the situation. Failure to do so could result in expenses that far exceed the cost of your scheduled maintenance for a year.

This is why we developed an exclusive data driven software program specifically for managing wells and their pumpages.

- Well Software
 - On-Site Readings During Maintenance
 - Field Crew Entry Into Software
 - Cloud Based Data Storage
 - Email Alerts to Staff On Over/Under Pumpages
- Well Management
 - Complete Permit Renewal Oversight and Completion
 - Groundwater Credit Determinations For Permitting
 - New Well Permitting
 - GRP Consulting



Aquatic Water Features

Over the decades, we had previously had sub-contractors handle our customer's aquatic water features. To better serve our customers we have added this service directly.

Working out of our South Houston location, our AWF group handles waterfalls, entry fountains, water features, irrigation pump systems and flow through splash pads.

Most of these systems are design built, with customers not having insight on how they truly work. We can make evaluations and determine the most maintainable configuration going forward for the customer.

- Weekly Management Programs
 - Water Quality
 - Mechanical Inspections
 - Chemical Treatments
- Repairs and Retrofits
 - Repairs On Existing Systems
 - Mechanical Pumps
 - Irrigation Pumps
 - Filtering / Chemical Feeders
 - Splash Pads
 - Custom LED Lighting
 - Recommendations On Retrofit Designs To Limit Downtime



Shoreline Restoration

Over time, shorelines are susceptible to erosion from normal winds, storm actions, wave action and soil conditions.

We are now able to handle several erosion scenarios for a fraction of the cost of sheet piling or draining the waterway to bring in dirt shaping equipment, comparable expense to unsightly and hard to maintain riprap.

This gives the customers a clean, safe, and long term solution to their erosion issues along their managed lakes. This process also reclaims land that has been lost to erosion.

- Prompt Solution
 - Reduces Exposure To Public Along Waterways
 - Project Can Happen With Little Preparations
 - Results Are Immediate
- Cost Effective
 - Less Expensive Than Most Alternatives
 - Project Can Be Phased To Meet Budget Requirements
- Customizable
 - Custom Widths (6'-18' Wide)
 - Field Repairable
 - Can Work Around Existing Assets and Landscaping



Fisheries Management

A balanced and healthy fish populations does not just happen. There is planning and a goal for the waterway to be stocked with fish.

We offer several different scenarios for all types of waterways with varying sizes. The main focus is “What is the final goal?”. Are the users of the waterway interested in catching panfish with grandchildren, trophy bass, or just old fashion recreational fishing.

With your goals, we can cater your initial stocking, forage, structure, management and re-stocking needs for the future and give you updates on the growth of the plan.

- Scientific Approach
 - Electrofishing Surveys
 - Seine/Gill Net Surveys
 - Bathymetric Surveys
- Reporting and Recommendations
 - Detailed Reports On A Wide Range of Biological Criteria (PSD, Wr, etc)
 - Recommendations On Future Stocking Needs To Meet Goals
- Fish Stocking
 - Established Fish Suppliers
 - Our Biologist Assisting Deliveries
 - Large Choices On Fish Species and Hybrids



Design and Construction Consulting

We can provide essential information on determining the feasibility of a proposed multi-use impoundment.

We characterize the waterway setting, from a biological approach and, in conjunction with architectural and engineering requirements, analyze the physical components of the development and how they enhance the balance and functions of the aquatic ecosystem.

This includes the incorporation of assets such as fountains, aerators, waterfalls, bulkheads, outfalls and water wells.

- Consulting Capacities
 - Requirements To Support Aquatic Life
 - Aeration and Circulation
 - Point Source and Non-Point Source Pollution
 - Shoreline/Slope Stabilization
 - Littoral Zone Restructuring
 - Nutrient Abatement
 - Sedimentation
 - Wetland Delineation and Mitigation
 - Construction Supervision
 - Amenities



Your Water Needs

- Our services are based upon several factors:
 - Size of waterway
 - Shape of waterway
 - Type of shoreline
 - Frequency of on-site visits
 - Existing aquatic weed population
 - Historical aquatic weed population
 - Existing mechanical assets (fountains, waterfalls, etc.)
 - Future mechanical assets
 - Number of water wells



Our Goals

- First and foremost, we treat your money as if we lived on the water, next to you.
- We charge the same rate across all of our customers. The cost to each customer is based on the **time** it takes to do the work the right way **X** the **frequency** you choose **X** the **rate**.
- In addition, we are your information source for all things related to your waterway. In some cases, what you need is assistance from one of our sub-contractors. We can manage that work or you can work directly with them and save money in the process.
- We understand the time constraints waterway owners face, and we strive to be the contractor “behind the scenes” that handle your waterway issues so you can get more things accomplished.



QUESTIONS?

You can contact us at anytime:

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www.lmslp.com

- Central Texas
 - Austin / San Antonio
- Greater Houston Locations
 - South Houston
 - North Houston
- Dallas / Fort Worth

