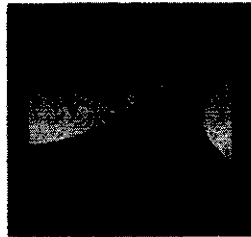


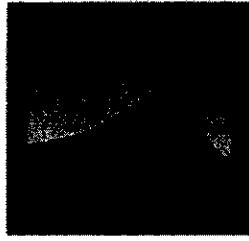
# Deer Lakes HOA

## Fishing Pond Management Proposal 2019-2020



**Aquatic Consultants**  
The Lake & Stream Experts

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# **Aquatic Consultants**

**The Lake & Stream Experts**

April 3, 2019  
Deer Lakes Board  
Deer Lakes Home Owners Association  
Cuba, NM

The Board:

Aquatic Consultants, Inc. (ACI), is pleased to provide the following proposal for management of the fishing pond at Deer Lakes HOA for 2019 and 2020. The total annual cost, excluding chemicals, is \$8,100. Chemicals will be charged to you on an as needed basis to manage your pond. This management proposal includes six annual visits. During each visit, ACI staff will evaluate the conditions of your pond, measure water quality, identify any aquatic vegetation, and apply the appropriate treatment to reduce vegetative biomass.

ACI has the qualified personnel and equipment to effectively manage your pond. Our expertise in water resources management is unparalleled, and our knowledge provides cost savings to our clients because we can effectively and efficiently reduce vegetative biomass. Chemical application records are maintained by ACI, and we provide our clients with monthly summaries with respect to the condition of the pond, as well as any action taken by ACI.

We appreciate your confidence in Aquatic Consultants, and we look forward to serving your lake management needs. If you have any questions, please feel free to give me a call at the office (505890-5753) or on my cell (505-795-5071).

Thank you,

Casey Ish  
Fisheries Biologist  
Aquatic Consultants Inc.

# Lake Management- Deer Lakes HOA

## ***Water Quality Monitoring***

Imbalances in water quality constituents lead to a variety of unsightly and unhealthy conditions in lakes, ponds, and streams. For example, excessive growth of aquatic vegetation typically results from increased nutrient loads. When this vegetation dies, it depletes dissolved oxygen available for aquatic life and can result in fish kills. Fluctuations in water pH can also adversely affect water resources and fish in a multitude of ways. In addition, extremely high water hardness can make treatments virtually ineffective. The complexities of water chemistry and balancing/managing water quality constituents necessitates the use of skilled and experienced managers.

ACI believes that monitoring the water quality in your water resources is one of the most important keys to predicting when problems could arise, and it allows us to take the necessary steps to minimize or eliminate those problems. We utilize the latest technology in multi-parameter probes and testing kits to monitor water quality throughout the warmer months, ensuring that your water resources are performing to your expectations.

## ***Aquatic Vegetation and Algae Control***

Our long history and expertise in aquatic vegetation and algae control ensures you that the correct treatment approach is utilized when managing your water resources. The ability to anticipate when conditions are optimal for plant growth helps us to increase chemical treatment efficiency. Our treatments typically consist of an application of United States Environmental Protection Agency approved chemicals that are safe for both humans and fish. Each of our biologists is a certified applicator, so you can be assured that the correct dosages are applied. Alternatively, when conditions dictate, we can utilize biological controls such as triploid grass carp or enzymes to effectively manage aquatic vegetation and algae growth. This approach also helps reduce costs and reduces the need for chemical treatments.

ACI maintains a commercial aquatic applicators license with the New Mexico Department of Agriculture and will maintain all records necessary to comply with reporting requirements established by the State of New Mexico.

## ***Aeration System Maintenance***

Like anything with moving parts, regular maintenance of the lake aeration system is essential. During each management visit, our biologists will inspect your lake aeration system to ensure that everything is working properly and will replace any worn parts that cause the system to be inefficient.

## ***Database Management***

ACI developed and continues to use a state-of-the-art database system to track and analyze data for each project. This provides us with a powerful tool to make timely management decisions. This data can be used to track water quality trends on multiple timeframes, further providing you

with project specific information at the push of a button. Record keeping is also required and audited by the New Mexico Department of Agriculture for every chemical treatment ACI administers.

## Lake Management- Deer Lakes HOA

### *Communication*

Monthly summaries of all ACI activities can be provided to you via e-mail, at your request. Because we are a full-service consulting firm, we encourage our clients to contact us if they have questions or concerns. ACI believes in providing our clients with an unparalleled experience and are accessible through various avenues including the office or mobile phone numbers and e-mail.

### *Schedule*

#### **Annual Lake Management**

- Fisheries Biologist and Technician one visit every month April through September 2019 and again in 2020. The program includes:
  - Water quality monitoring
  - Aquatic vegetation and algae control
  - Data entry and database maintenance

### *Annual Fees*

<b>Annual Lake Management 2019 (6 visits)</b> .....	<b>\$8,100.00</b>
<b>Annual Lake Management 2020 (6 visits)</b> .....	<b>\$8,100.00</b>

### *Additional Costs*

- Chemicals
- Laboratory analyses of water
- Sales tax

Equipment included: Biology truck, utility trailer, two four wheelers, application boat, custom float boat, water quality monitoring equipment, chemical application equipment, small tools for maintenance, truck/boat and four-wheeler fuel, personal safety equipment (i.e., waders, life vests, fish handling gloves, and personal chemical application gear).

All work performed will be done by uniformed fisheries biologists and technicians employed by Aquatic Consultants, Inc. All vehicles and boats are marked with the Aquatic Consultants, Inc., logo. All work will be coordinated with you to minimize interference with other activities.

\*ACI policy requires that at least two ACI employees must be present when on the water in any ACI watercraft for safety reasons.

# Lake Management- Deer Lakes HOA

## *Terms*

Either party may terminate this Contract with 30 days written notice. In the event of such termination, ACI shall be paid compensation for services performed to the Termination Date.

Authorized Signature Sean Menez Date 5-27-19

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Signed contracts may be returned via U.S. mail, or e-mail:

***Mail To:***

Aquatic Consultants  
Attn: Casey Ish  
4421 Irving Blvd. NW  
Albuquerque, NM 87114

***E-mail:***

caseyish@aquaticconsultants.com