

Aquatic Consulting & Testing, Inc.

Lake, Pond & Fountain Mgmt.

Qualified Know How

- **Our staff includes:**
 - NALMS-certified lake manager with 30+ years' experience
 - Six licensed pesticide applicators
 - Aquatic & Fisheries Biologists
 - Microbiologists
 - Chemists
 - Horticulturists
 - Entomologists
 - Limnologists
 - Phycologists

- **Currently monitoring and managing over 500 acres of lakes and ponds**

○

The lakes, ponds and fountains we monitor and manage are owned by:

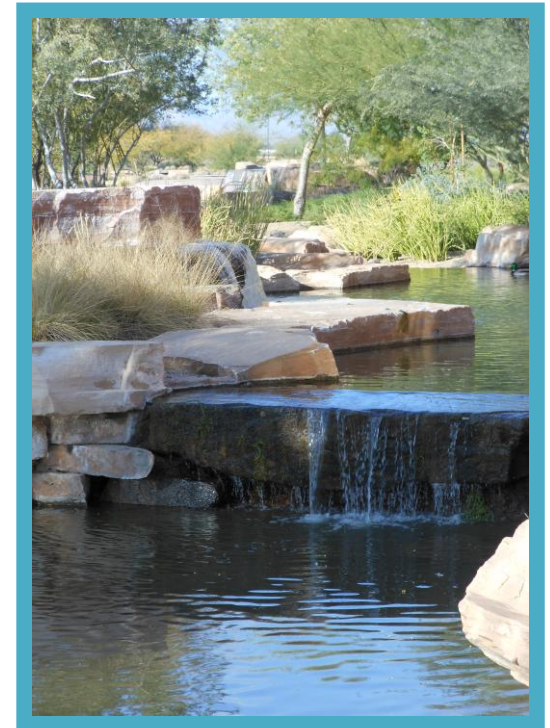
- **Municipal park departments**
- **Resort hotels and casinos**
- **Golf courses**
- **Home owners associations**
- **Industrial/electronic manufactures**
- **Business parks**
- **Professional sports clubs**



Aquatic Consulting & Testing, Inc.

1525 W. University Drive
Suite 106
Tempe, AZ 85281
www.aquaticconsulting.com

E: lab@aquaticconsulting.com
P: 480-921-8044
F: 480-921-0049



Aquatic Consulting & Testing, Inc.

**Lake, Pond & Fountain
Consulting &
Management**

(480) 921-8044

Prebuild Planning

From small water gardens to multi-acre lakes

AC & T works with architects, engineers, landscapers, golf courses, hotels and municipalities, to plan and design water features of all sizes. Water features are exposed to physical, chemical and biological factors that impact water quality and operation. Our experience is used to help create a water feature that provides long-term aesthetic beauty, high water quality and ease of maintenance and management.

Field and Lab Services

- Lake debris management
- Aquatic herbicide applications for algae and submerged or emergent weed control
- Aquatic larvicide applications for midges or mosquitoes
- Water quality sampling and testing
- Mosquito and midge fly collection & identification
- Mosquito virus screening by VecTest and RAMP
- Algae, aquatic plant, zooplankton and benthic invertebrate collection & identification
- Temperature & oxygen profiling
- Bathymetric (contour) mapping
- Aqua-scape installation

Aquatic Consulting & Testing, Inc.



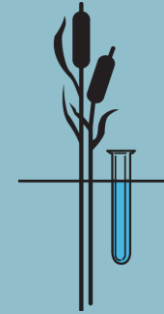
Consulting Services

- Water quality monitoring & management, including full-body contact recreation use
- Fish selection for recreational fishing; weed and insect control
- Aquatic weed, algae and insect management plans
- Aqua-scape design & Installation
- Lake design support
- Complete lake management plans
- Aquifer protection permitting
- NPDES Pesticide General Permit PMM & PDMP compliance

Vector Monitoring

Aquatic Consulting & Testing provides monitoring by live trapping of larval and adult mosquitoes and midge flies. This data is used to identify source, potential health or quality of life impacts and best method of mitigation.

Mosquitoes can be screened for the presence of viruses of human health concern (WEE/SLEE/WNV).



Lake, Pond & Fountain Management

AC & T maintain numerous water features ranging from hotel ponds to 200 acre recreational lakes. Key components of our management services include:

- Debris clean-up
- Water chemistry testing for nutrients, metals and dissolved minerals using EPA methods
- Vertical profiles of temperature & oxygen
- Algae counts and ID's
- Golden and other toxic algae monitoring
- Zooplankton counts and ID's
- Fish stocking for insect and weed control
- Herbicide applications for algae and submerged weeds
- Emergent vegetation control
- Benthic sampling for midges

Golden Algae

The toxic golden alga, *Prymnesium parvum*, has devastated numerous fisheries throughout the southwestern US. AC & T can provide an early-warning monitoring program to quickly identify presence of the alga, a preventive chemical application program for lakes in which the alga is anticipated to appear or emergency mitigation applications.