



**FROM THE GENERAL MANAGER  
TO ALL OF OUR VALUED MEMBERS  
AND POTENTIAL MEMBERS (PROPERTY OWNERS IN ARROWHEAD WOODS)**

We are rapidly approaching close of the 2007 season at Lake Arrowhead and it has been another great summer despite a lake level lower than we would like. Now we must hope for winter rains that will fill the lake for 2008.

This year's Fireworks show was again a booming success with the generous donations of our members and the business community. Our show would not be possible without those donations. We would like to give special thanks are to major sponsors from our business community and look forward to even stronger partnerships in the future:

- [Insert list from Banner]

Membership in the Arrowhead Lake Association is a privilege accorded to those families and individuals that want the very best in private water based recreation. Lake Arrowhead is a private lake that is not open to the public. **It's our lake.** The use of our lake and the Association's related facilities is restricted to those individuals and families that have chosen to own property in Arrowhead Woods and who have chosen to join the Arrowhead Lake Association. Membership is valued, exclusive and strictly voluntary. By choosing to be a MEMBER, you have agreed to abide by the terms of membership and associate with those individuals and families who, like yourself, understand the benefits of membership.

The following is a summary of important information about the Arrowhead Lake Association. Knowledge of and compliance with Association policies, procedures and practices will enhance all members' enjoyment of Lake Arrowhead and its related properties. Any questions should be directed to staff at the Arrowhead Lake Association at (909) 337-2595. The time is NOW to plan for your 2008 summer season on our lake.

### **CURRENT DROUGHT INFORMATION**

We have recently experienced the driest year on record. The impact on our lake is apparent and there are several things that we must do as mountain residents to protect this wonderful resource.

- Conserve in every way that you can. Please visit the Lake Arrowhead Community Service District website at [www.lakearrowheadcsd.com](http://www.lakearrowheadcsd.com) for the various water saving options that exist.
- Turn off or turn down your irrigation systems. Irrigation uses up to 40% of the water delivered by LACSD to you, its customers. A major reduction in irrigation will help preserve the level of the lake.
- Consider modifying your landscape to native drought resistant plants. Our environment here in the mountains cannot support the lush landscapes common down the mountain without the importation of large amounts of very expensive water.
- Do not clear your land to bare dirt. When removing debris for fuel reduction, please remember that an inch or two of duff (natural vegetative debris) will help prevent erosion and preserve the moisture in the soil.

## **MEMBERSHIP INFORMATION**

The Association offers a variety of Memberships for all property owners in Arrowhead Woods. Memberships include a general membership allowing access to ALA trails, memberships that allow family and group use of the beach clubs and a variety of memberships allowing boating on the lake and the maintenance of docks on the lake. All members must provide a copy of their current Grant Deed verifying ownership of residential real property within Arrowhead Woods. The conditions and rights of each type of membership are available at the Arrowhead Lake Association offices.

## **IMPROVEMENTS ON ASSOCIATION PROPERTY** (Are you thinking about improvements to your dock or pier site?)

Association property consists of the shoreline around the lake, the bottom of the lake and all property between the shoreline and the rear property lines of lots adjacent to Arrowhead Lake Association property. The Arrowhead Lake Association also has property rights on many easements and along some watercourses contiguous to the lake. Any improvement\* or modification of an existing improvement on Arrowhead Lake Association property must have the express written consent of the Association. Members desiring to place any improvement on Association property, or desiring to repair or modify any existing improvement, must contact Association staff to obtain proper forms and detailed information regarding approvable improvements. Regulations for Improvements on ALA Property are available on our website at [www.ala-ca.org](http://www.ala-ca.org).

*\*Improvements include not only docks, piers and gangways, but also dock boxes, storage buildings (dock houses), electrical work, plumbing work, landscaping, landscape irrigation, all types of paving (including stairs and walkways) or wall construction and any other improvement determined by ALA to require a permit.*

It is the goal of the Association to maintain an environment that is as natural as possible. The Association has established standards that are intended to protect the value of your exclusive membership and protect the aesthetics of the lake itself.

This year we would like to make special note of certain improvements that are not permitted on ALA property:

- Sand and other foreign material may not be placed on the shoreline unless retained by a structure that prevents it from entering the lake. Permits are required.
- New irrigation on ALA property is not generally permitted.
- No improvement may obstruct or otherwise impact the ALA trails or accesses around the lake.

**\*NOTE\*** All contractors (dock contractors, general contractors, electrical contractors, landscape contractors and any other contractor of any specialty) working on Arrowhead Lake Association property must be appropriately licensed by the State of California and must provide General Liability and Workman's Compensation insurance naming the Association as co-insured for the work performed on Association property. Please have your contractors register with the ALA office before you contract for work on ALA property. This will help ensure that you do not experience untimely delays with your project.

## **DEBRIS ON AND AROUND OUR LAKE**

As we approach the end of a great summer, our lake, like many of our homes, needs of a final cleaning before we put it to bed for the winter. We need members' help to remove unsightly items from both the shoreline and the Association property around the lake. If members have non-functional furniture or any form of green waste stored near their dock or on Association property behind their home, it needs to be removed. The Arrowhead Lake Association will have a "Clean-Up" on the Friday before Labor Day, August 31 and the following Tuesday, September 4, 2006. Members may put debris on the end of the fingers on their dock and our workboats will remove the debris for disposal.

## **BOATING ON LAKE ARROWHEAD**

Fall and winter are times that many members choose not to boat on Lake Arrowhead due to uncertain weather conditions. The lake is actually a very pleasant place to be well into the fall of most years. Members should, however, be vigilant about winter maintenance and storage of their boats. Fall and winter storms have the ability to swamp many boats and excessive snow accumulation can cause the same problem. Serious consideration should be given to winter storage, either at home or with a qualified storage facility such as Hardin Marine or Mile High Marine.

## **LAKE SAFETY**

Lake Safety employees are on the water and the shoreline to help members and to enforce the association rules. This dedicated group of men and woman that are tasked with helping the association member in many ways including retrieval of loose or lost boats

and equipment, rendering aid in times of crises and assisting the general membership with having a pleasant and safe season on our lake.

The Safety employees have advanced training in many areas including CPR and the use of defibrillators, deep-water rescue and general law enforcement.

Lake Safety employees are not a police force. The employees rely on the San Bernardino Sheriff and Fire Departments or the Department of Fish and Game to be the professionals policing the lake.

If members are in need of assistance or have a question, just ask. Our main number is 909-337-2595. We would like to thank all members that go out of their way to obey rules and policies and follow the adopted rules of ALA.

## **SECURITY DISCLAIMER**

We hope that the presence of our Lake Patrol and Maintenance staff on and around Lake Arrowhead provides some deterrence to crime. However, no matter the steps we take, Association lands and waters can never be completely safe and secure. Lake Arrowhead and the surrounding Association property is not and can never be totally free of crime and we cannot guarantee your safety or security. Accordingly, you should NOT rely solely on the Association to protect you from loss or harm. Instead, you should provide for your own security by taking common sense precautions such as carrying insurance against loss; securing your boats and other recreational equipment; asking workmen for identification; and notifying the Arrowhead Lake Association offices of suspicious activity when it is observed. REMEMBER, for emergencies the number to call is 911.

**In Closing, the Arrowhead Lake Association, with your help, is the steward of a wonderful resource. We are having a wonderful summer and we are looking forward to continuing our catch up with some long deferred work to make Lake Arrowhead an even better place for members and their families in 2007. The Board of Directors and the staff of Arrowhead Lake Association are committed to providing the MEMBERS of the Association, the best possible recreation experience at Lake Arrowhead. We are here to serve members' needs while protecting the rights of all ALA members. We are a part of your community.**

**“We’ll see you at the Post Office.”**

**Please remember, "This land is your land. This water is your water. Please respect them, protect them and help preserve them for those that will follow."**

## **An Open Invitation to Arrowhead Woods Property Owners To Join the Arrowhead Lake Association**

General Members of the Arrowhead Lake Association have full access to the trails and parks maintained by the Association. As property owners, you are entitled to membership in the Association. Various types of membership are available to property owners depending on how they use our lake and other ALA amenities. Property owners with improved property have the right to be slip members. Any property owner has the right to acquire a Beach Club membership. Details on these memberships are available at the ALA offices or by calling (909) 337-2595.

These benefits are not available to the general public and are strictly limited to Arrowhead Woods Property Owners. As a member of this select group, you also benefit from increased property values due the proximity of your property to our beautiful lake.

The Association makes a large annual investment to maintain and improve our amenities and we would like to extend to you an invitation to join the Association as a General Member. This level of membership is currently available at the extremely low cost of \$60.00 per year, only \$5.00/month. Your membership will allow us to continue to provide you, the property owners of Arrowhead Woods, a truly unique recreation experience. Of course, we would welcome your membership at a higher level so that you could utilize the Beach Clubs or enjoy boating on the lake.

*Please visit us at [www.ala-ca.org](http://www.ala-ca.org). Our new website continues to grow and we welcome your comments and constructive criticism.*

**John Rutledge  
General Manager  
Arrowhead Lake Association**

## **Arrowhead Lake Association – Beach Clubs and Parks**

Lake Arrowhead beach clubs and parks (Burnt Mill, Tavern Bay, Marina Peninsula, and Grass Valley) will again be available to ALA members for rental use for the 2006-07 year. We have already received inquiries about rental use from members and Lake Arrowhead organizations and groups. For 2006, we have reorganized rental procedures to make the process to be more efficient.

Members can now access rental agreements and disclosure statements for each beach club and park on our new website ([www.ala-ca.org](http://www.ala-ca.org)). In addition, a list of general rules and regulations has been established to give members a better understanding of the rental procedure and will be helpful in answering most frequently asked questions.

Current Fees are:

- **Burnt Mill Beach Club:**
  - Weekends (Friday, Saturday, and Sunday): \$750
  - Weekdays (not including Holidays): \$400
  - Security Deposit (for all reserved dates): \$250
  - Deposit to hold Reservation: \$50
  - All fees must be paid at least 30 days prior to date of the reservation.
- **Tavern Bay Beach Club, Marina Peninsula and Grass Valley Park:**
  - Everyday: \$2/person with a minimum fee of \$30

**Our Burnt Mill Beach Club has proven to be a popular facility for weddings, receptions, parties, meetings, fundraisers, and other festivities. If you are considering Arrowhead Lake Association facilities for your event, call the ALA office at (909) 337-2595 and reserve your date today!**

**Special Note:**

**No amplified music or public address system is allowed prior to 8:00 am or after 10:00 pm due to the proximity of surrounding homes.**

## Dogs on Arrowhead Lake Association Property

San Bernardino County has an ordinance requiring that dogs be on a leash and under control. The following is from the County Website.

### *Is there a leash law?*

Yes. When not secured on private property a dog must be secured with a leash and be controlled by someone who can handle the dog. Responsible pet owners that walk their dogs on a leash do not have to worry about their precious pet being hit by a car, becoming stolen or lost, getting into a fight with another animal, or injuring someone. If you love your dog — LEASH them — it's the LAW!

The Arrowhead Lake Association requires full compliance with the county ordinance and requires that dogs be on a leash when on Arrowhead Lake Association property. The reason for this rule is to allow all members who are dog owners to enjoy the lake and shoreline with their dogs and to help ensure the safety of members from aggressive dogs.

There are special rules at the Beach Clubs. Dogs are allowed at the Beach Clubs under the following conditions:

- Dogs must be on a leash and must not be allowed on the beach.
- Dogs must be attended by an owner and may not be left tied and unattended.
- Dogs are allowed in the parking lots and the picnic areas.
- Owners must pick up after their dogs.

Any owner that is not willing to abide by these rules will be asked to remove the dog from the Arrowhead Lake Association property.

Any member witnessing a dog off leash and being aggressive should immediately contact the Association at 909-337-2595 and in the event of an aggressive dog; San Bernardino Animal Control should be contacted at 1-800-472-5609.

## 2007 Election Information

### Elections are being held for the following Board Positions:

- District – At-Large Office – A  
(At Large Office can be filled by any ALA Member within the Arrowhead Woods)
- District – WEST  
(Please visit the ALA office for a list of properties within this District.)

For further clarification – interested candidates should identify their tract number and call Pamela deForest, at the ALA (909)337-2595 x110, for their new district information.

**NOTE: Ballots will be sent to members in the specific districts for which the elections are being held.**

### Future District Elections and Years Being Held

At-Large Office – B	2008
NORTH	2008
GRASS VALLEY	2008

### Nomination of a Candidate:

Each person seeking to become a qualified candidate for election as director to a specific district must obtain the signatures of ten (10) members in good standing and who have elected to vote in that district, and such candidate may not be a candidate in any other district or at-large in the same election.

A person seeking to become a candidate for Director At-Large shall obtain ten (10) signatures from members in good standing.

### Election Schedule:

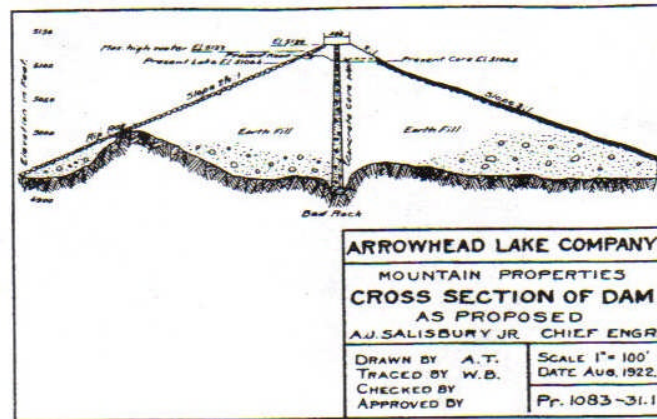
- August 15<sup>th</sup> through August 31<sup>st</sup>: Nomination papers available at the Arrowhead Lake Association Office, 8 AM – 5 PM.
- The deadline for filing nomination papers at the Arrowhead Lake Association office shall be August 31<sup>st</sup> at 5:00 PM. **Please turn in paperwork in sufficient time to allow staff to verify signatures as members in good standing before close of business day on August 31<sup>st</sup>.**
- Campaigning may begin on September 1<sup>st</sup> and will terminate on September 30 at 5:00 PM.
- September 15<sup>th</sup>, 5:00 PM is the deadline for the mailing of ballots to members in good standing as of September 1<sup>st</sup>.
- Deadline for the return of ballots to the ALA offices is September 30<sup>th</sup> at 5:00 PM.
- Second Saturday in October: Deadline for announcement of election results.

### Eligibility of Voters:

A voter must be a member in good standing as of September 1, 2007 at 5:00 PM to vote. (All fees, charges and assessments must be paid)

- Co-owners of property are entitled to one vote only and must appoint a representative for the purpose of voting.
- The property must be situated in the district in which the member or representative is voting.
- A member who is an owner of property situated anywhere in Arrowhead Woods may vote for directors-at-large.
- Owners of multiple properties must select one district wherein property is owned for the purpose of casting a ballot.
- Multiple property owners in different districts may vote in only one district. The district is selected by the voter.

## What Is It? By Ralph Wagner



This drawing prepared by the Arrowhead Lake Company in August 1922, shows the cross-section of the original Lake Arrowhead dam that was never entirely completed. Given what has happened around the lake since that time, the failure to complete the dam may have been a blessing in many ways.

When the Lake Arrowhead project was originally conceived in 1895, the initial plans called for construction of an earth and rock fill dam to be finished in 1907. At the time, it would have been the highest dam with that type of construction in the country.

Soon after the earthwork was started, it was discovered there was not enough sound, hard rock available near the damsite to incorporate rock in the fill of the dam embankment. The method of embankment construction was then changed to that of hydraulic earth fill. All earthen materials were obtained locally, then sluiced and puddled into place for compaction. Because of the inadequate compactive effort, the original Lake Arrowhead dam was declared unsafe in 1974 following a major seismic event which led to construction of the present earth-fill dam downstream.

Originally, the top of the dam was to be at 5137 ft. elevation with the top of an interior concrete core wall at 5122 ft. The concrete core wall was 20 feet thick at the base, tapering to 3 feet thick at the top. The plan was to create a reservoir of 61,000 acre-feet (19.9 billion gallons) with a water surface of 883 acres.

Under an earlier perfected appropriate water right, it was not required to have a permit or license for construction of the project. It wasn't until 1914 that the state adopted a permit system for such water-diversion projects, but the Lake Arrowhead project was already underway.

The maximum water surface elevation was apparently intended to be at 5122 ft., the top of the interior concrete core wall. It is a mystery how the maximum water surface

elevation was to be controlled, because there was no overflow spillway incorporated in the original design plans.

On the other hand, the project was originally intended to capture mountain storm water from a very large area, stretching from Holcomb Valley to Grass Valley and convey it to the San Bernardino Valley through a series of tunnels for irrigation of crops, primarily citrus. As an irrigation project, it could have been operated to obviate the need for an overflow spillway. In fact, that was precisely the reason the outlet tower was constructed with valved outlets every 20 feet. Water levels would have fluctuated widely, being lowered at the end of an irrigation season to leave room for storage of stormwater inflows during winter months.

During construction, in the early 1900s, cracking problems with the concrete core wall were discovered, stopping the wall at 5092 ft. elevation. The top of the concrete core wall was at this elevation as late as January 5, 1912. With the top of the core wall at elevation 5092, water could probably have been impounded to 5100 ft. The outlet tower was in place to control water surface elevations and let water out, at least to Willow Creek and thence Deep Creek and the Mojave River.

The project was still under construction and another drawing dated May 1919, showed how the upper part of the core wall was to be constructed and raised to elevation 5132 from elevation 5092. Construction continued and by August, 1922, the top of the concrete core wall was at elevation 5106.5, only two-tenths of a foot lower than the crest of the present-day spillway, which was re-configured and reconstructed in 1969.

The original 'spillway' was also constructed in 1922, as part of the construction of the first timber. The spillway was immediately under the vehicular bridge over Willow Creek at Tavern Bay, the same location as the as the present-day bridge. The 'spillway' had a crest elevation of 5106 (ALA datum) as show on Arrowhead Lake Company's Spillway Bridge drawing dated January 1922. The crest of the 'spillway' was either of earthen or hard rock material, not concrete.

According to an Arrowhead Lake Company Spillway Bridge drawing dated March 28, 1937, *both* the bridge and spillway were reconstructed at that time. The 1922 timber bridge was removed and replaced with a new bridge, in the same location, with rock and concrete buttresses, steel I-beam girders and wood decking. This essentially is the same bridge which exists today, 70 years later.

Now, let's get back to the August 1922 drawing which shows the owner's intent to raise the core wall to elevation 5132 with a maximum high water elevation of 5122 ft. These two elevations define the Reserve Strip, which was supposed to be a strip of land 10 feet height, entirely around the lake, reserved for park and recreational purposes, and also set aside for flooding behind a dam which was *never entirely completed*.

The 1922 enlargement did not raise the rest of the dam to elevation 5132, but instead stopped at about 5116, where it is now. I doubt the core wall was raised at all, remaining at 5106.5.

In 1922, the possibility of using Lake Arrowhead as a project for irrigation water supply or for power generation had long passed. The focus became one of developing the area for resort and recreational purposes. That is why the dam was never raised to elevation 5132, with a top width of only 40 feet. Even though the lake could not hold as much water (15.5 billion gallons versus 19.9 billion gallons), it was more important for the land owner to be able to develop additional land around the shore line. Also, it would not have been possible to put a state highway across the dam within the top 40 feet of width.

*[Ralph Wagner is a civil engineer who specializes in water. He served as the first ALA president from 1975 to 1978 and is a past Lake Arrowhead Community Services District board member.]*