



Lake Hartwell Association, Inc  
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**Winter, 2004**

**Volume XVI, Number 1**

**Inside this issue:**

**Letter from the President**

Submitted by Mike Massey

I am very pleased. Both Georgia and South Carolina have been making significant strides in developing comprehensive water management plans. The Georgia legislators have been trying to get closure on their plan for two years now. They are not there yet but they are working! South Carolina has only recently started to understand their issues. While some will say progress is too slow, I am happy they are working the issue – even if it is mostly within each state at the moment. These are difficult issues to resolve. Once each state is clear on what it would like, it becomes possible to make the next step – working and negotiating together for the good of all.

GEORGIA. The Lake Hartwell Association has had representatives at a number of meetings held by several organizations in the last two years related to what Georgia is proposing. We have made comments, sent emails and letters, gone to conferences and legislative committee meetings and taken very positive action on some issues. They are headed in the right direction. The major concern we are watching is related to allowing water-permit transfers, which will, in effect, allow farmers and municipalities to sell their water rights to growing cities and businesses.

Our concern is that this would allow large corporations or municipalities such as metro Atlanta (which is in need of additional sources of water to continue its growth) to purchase water permits from poorer, more rural counties. The sale (or transfer) of permits would deprive counties of a resource they will need to assure their future growth, and the purchased water could be resold and even transferred out-of-state. LHA stands firmly against water permit trading. Pat Goran of the LHA Legislative Committee, working through the Georgia Water Coalition who is leading the project, is heading the effort in this area to prevent water from being treated as a commodity.

SOUTH CAROLINA. Great News! Governor Sanford created the Governor’s Water Law Review Committee (GWLRC) in June. This is a terrific step towards developing a comprehensive water plan for South Carolina. It is needed and the time is right! Unfortunately, he wants the recommendations in December, 2003. Based on our experiences in Georgia, this is just not enough time to do an adequate job on this very important topic.

There are two parts to the current activity: the work of the three subcommittees on the GWLRC and the review of the revised South Carolina Water Plan. There has been important achievements made. To see what LHA is recommending regarding the GWLRC read my article titled *The Governor’s Water Law Review Committee - An Important Move Forward for South Carolina Water Management*. For an understanding of our more specific comments about the proposed revisions to South Carolina Water Plan, read Al Koleff’s article titled *LHA Comments on the Revisions to the S.C. State Water Plan*.

Enjoy this issue of the Lake Hartwell Association Newsletter. There are some great articles in it. Contact any of the directors if you have comments, concerns or issues. Let’s keep the lake “clean and deep.” To contact me, send an email to [mail@lakehartwellassociation.org](mailto:mail@lakehartwellassociation.org) or call 1-888-200-4899.

END

LHA Comments on the Revisions to the S.C. State Water Plan	2
Election of Directors *BALLOT *	2
News From The Corps: Annual Passes Delayed	3
News From The Corps: Water Boat Safety	3
New Tradition Started at Fall Membership Meeting	4
Suggestion Box & Fishing Tip	4
13 <sup>th</sup> Annual Southeastern Lake Management Conference	5
LHA Needs Your Photos for Newsletter	5
Additions to the Hartwell Lake Cleanup Donors	5
Meet The Director	6
Upcoming Events for LHA Related Activities	6
The Governor’s Water Law Review Committee	7
Lake Hartwell Association Welcomes New Members	7
The Boat Doc: Winterizing Your Boat	8
Storm Water Runoff Contacts	9
CPR-First Aid Course in Early Spring	9
Discount on BoatU.S. Membership	9
Annual Lake Elevations Summary	10
Hartwell Shoreline Erosion & Sedimentation	10
The LHA Website	11
Keeping Georgia’s Water in the Hands of Georgians	11

**Keep the lake clean and deep**



## LHA Comments on the Revisions to the S.C. State Water Plan

Submitted by Allen Koleff

The South Carolina Department of Natural Resources recently published its proposed revisions to the state's overall water management plan. The existing South Carolina Water Plan was completed in 1998. The revised water plan (draft) is part of the South Carolina Governor's Water Law Review Committee (GWLRC) activities. The new plan recommends improved actions and plans governing the use and protection of the state's water resources, and includes recommendations for management and protection of both surface and ground waters.

Members of LHA's Technical Committee and Board of Directors have reviewed the 110 page draft water plan in detail and LHA has submitted written comments to the state as well as presenting the recommendations at GWLRC public hearings on the plan.

LHA, in its comments, commended the State of South Carolina for creating a comprehensive document that can be used as a basis for a coordinated water management program. The present revision is a significant improvement over previous plans.

LHA further urged the state to move forward on several issues of importance to the Hartwell Lake area and the LHA members. These recommendations include the development of a comprehensive drought management plan and the urgent development of a "Compact" between South Carolina and neighboring states, particularly Georgia, defining the management, protection and use of shared waters like the Savannah River basin.

We also urged the state to clearly identify water as a public resource and reject the idea that permits or water use rights can be sold or bartered.

LHA further urged the state to limit any consideration of inter-basin transfers of water. We recommended that such transfers be considered only in those cases where protection of human health was required and, then, only for temporary periods. LHA further clarified its position on interbasin transfers by stating they should be considered only after complete consideration of the effects on the basin from which the water would be transferred to assure no adverse water supply, water quality or economic impacts. In other words, there should be some form of comprehensive water use study completed in the basin before any new, or extension of any existing, interbasin transfers are considered.

The LHA officers and directors are committed to monitoring, supporting and commenting on this effort in order to assure the waters of the Savannah River Basin are treated equitably for all users. The full text of the LHA comments to the GWLRC have been added to the LHA website [www.lakehartwellassociation.org](http://www.lakehartwellassociation.org). We urge all LHA members to review them and send us their comments or concerns on any issue.

### Election of Directors BALLOT

Four LHA Directors have their terms expiring in January 2004. The Board of Directors has nominated all of them for another term. Terms for Directors are three years. As LHA members, please vote for (YES) or against (NO) the directors by filling out the ballot below and mail it to the address shown on the right.

**Louis Gaby, Secretary**  
**The Lake Hartwell Association**  
**P.O. Box 312**  
**Fairplay, SC 29643**

These directors are running unopposed. Please note that members with a "Single Membership" are entitled to 1 vote. Those with a "Family Membership" are entitled to 2 votes. Please indicate the number of votes based upon your membership privilege.

<b>Director Name</b>	<b>YES</b>	<b>NO</b>
Responsibility	(Number of Votes)	(Number of Votes)
<b>Wayne Gaskins</b> Chairman, Lake Clean-up Committee	_____	_____
<b>Pat Goran</b> Immediate Past President/Exec. Comm.	_____	_____
<b>Dan Ray</b> Chairman, Safety Committee	_____	_____
<b>Vern Sauer</b> Chairman, Web Site Committee	_____	_____



*Cut out the mailing label above, glue it on an envelope and mail your ballot to us.*

## News from the Corps



### Annual Passes Delayed

The Hartwell Project Office has been notified that delivery of the 2004 Annual Passes has been delayed. The expected delivery date of the passes to the Hartwell Lake Project Office is now sometime in January 2004. Due to the late arrival of the new passes, the expiration date of the 2003 passes has been extended until January 31, 2004. This extension will eliminate the possibility that some customers using Corps facilities in areas that have year round seasons could be required to purchase daily passes in January until the new Annual Passes become available for purchase. As soon as the passes are received, they will be made available for purchase. Annual Passes are marketed to frequent users of Corps' operated boat ramps and recreation areas to prevent the payment of a daily fee with each visit. The cost of the Annual Pass is \$30 and allows unlimited, nationwide use of all Corps use fee areas for the entire calendar year. The pass is in the form of a decal which is applied to the back of your vehicle's interior, rearview mirror. Families with multiple vehicles may purchase one additional Annual Pass for only \$15. For additional information, please contact the Hartwell Project Office at 1-888-893-0678.

### Water Boat Safety

Submitted by Dan Ray  
(Reprinted from USACE website)



Although "boating season" usually refers to warmer days that lie between Memorial Day and Labor Day, many boaters find that fall and even early winter months are a great time to enjoy the lake. The lake is less crowded during that time, and mild South Carolina and Georgia temperatures mean pleasant days on the water for hunters, fishermen and recreational boaters. But the U.S. Coast Guard reports that boaters involved in accidents are at the greatest risk from October to December. Although the air may still be warm, the water is colder; and fewer boats on the lake also mean fewer people to help rescue someone in distress. With those facts in mind, The U.S. Army Corps of Engineers would like to join the Coast Guard in calling boaters attention to these fall/winter safety tips.

- **Check the weather.** The weather in the fall and winter can change dramatically with little or no warning. Always check the local forecast just before going out on the water. A forecast of windy conditions means that the water will be rough, even if it doesn't look that way at the moment.
- **Prepare a float plan.** Leave a description of your boat (including registration number), the number of people on board, the area where you will be boating, and the time you expect to return. Leave it with a family member or friend. If you are reported missing on the water, it is extremely helpful to know on what area you planned to be. If your boat has capsized, time is of the essence.
- **Carry emergency supplies.** A radio or cell phone, dry clothes, a flashlight with batteries, food and fresh water, matches in a water-proof bag, dry clothes, and flares or a signal kit are all items that should be on board when cold-weather boating. The most important piece of emergency equipment on any boat is your Personal Flotation Device (PFD). If you capsize or fall overboard during cold-weather months, your chances of survival increase dramatically if you are wearing your PFD.
- **Know the facts about hypothermia.** Cold water con-

ducts heat out of the body 25 times faster than does air. If you go overboard into cold water, your core temperature will begin to drop within 10 to 15 minutes. Focus all your effort on getting out of the water as quickly as possible. If getting out of the water is impossible, remember these survival tips:

1. Don't take off clothes; they trap air and help keep you afloat, in addition to trapping body heat.
2. Cover your head and keep it above water, if possible. In cold water, about half of your heat loss comes from your head.
3. Don't panic; draw you knees to your chest in the Heat Escape Lessening Posture (H.E.L.P.), protecting the major areas of heat loss. If there are other people in the water with you, huddle together with one person in the middle of the huddle. Rotating the person in the middle allows everyone to benefit from the trapped body heat of the other members of the huddle.
4. Don't try to swim, unless you can swim to a nearby boat, floating object, or another person. Swimming releases the warm water trapped between your body and your clothing and causes "warm" blood to be sent to your extremities. As a result, swimming can actually reduce your survival time by as much as 50 percent.
5. Remain as still as possible, even if it's painful. Intense shivering and severe pain are natural body reflexes in cold water. They will not kill you, but heat loss will. When you are in the water in cold weather, remaining still gives you the best chance of survival.

- **Leave alcohol at home.** Drinking impairs judgment and coordination and is a major factor in boating accidents. If boaters do end up in the water during the cold weather months, judgment and coordination are critical factors in staying alive.

There's nothing quite like a clear crisp day on the water. We hope that, by following these safety tips, you will be able to enjoy many more to come.

END

## New Tradition Started at Fall Membership Meeting

Submitted by Bert Menees

The LHA Fall Membership Meeting held on October 23<sup>rd</sup> was a first in several respects. It was the first meeting chaired by Mike Massey, who took office as the new LHA president in May. It was the first meeting at the Anderson Civic Center that was conducted in the "arena" area of the Center instead of the "ballrooms" where we traditionally meet. That was a one-time event, however. It happened because LHA waived its contract with the Civic Center in order to allow a gala reception for the movie *RADIO* to take place across all the ballrooms at the Civic Center following the premier of the movie that same evening. As it turned out, profits from that reception and the movie premier resulted in a contribution of over \$62,000 to the Salvation Army in Anderson. LHA was proud to move its meeting site to allow that to happen.

Another first at the meeting was the introduction of door prizes. The names of the lucky winners at the fall meeting are listed below. This is a new tradition and will be continued at all future membership meetings. The Board of Directors has budgeted \$500 for door prizes at each membership meeting.

The Fall Meeting was one of the best ever conducted by LHA in terms of the information provided to members about water quality and water management on Lake Hartwell. The theme for the meeting was "For the Sake of the Lake" and those who attended were treated to a comprehensive update on many diverse issues that affect the lake and the Savannah River Basin.

Fred Falls, a hydrologist with the U.S. Geological Survey in Columbia, S. C., explained the importance of the Piedmont aquifer to this area and the role of Hartwell Lake and the Savannah River Basin to maintaining the health of the aquifer. Richelle Tolton, the SRB Watershed Manager for South Carolina DHEC, presented the results of the recently updated DHEC Water Quality Assessment for the SRB. Leroy Crosby, U.S. Army Corps of Engineers Project Manger for the SRB Comprehensive Water Resources Study, presented the current status of that effort and the significance of the LHA support for the study.

Mike Massey presented the attendees with an update on a number of LHA activities as follows: the coordination effort with

the Georgia Water Coalition asking GA municipalities to pass resolutions assuring water is treated as a public resource and not a commodity to sell to the highest bidder, the status of the formation of the Savannah River Basin Alliance, and the formation of the South Carolina "Governor's Water Law Review Committee."

Bobby Foster, LHA Treasurer, reported to the members on the financial status of the association. Wayne Gaskins, Chairman of the Lake Hartwell Clean-up Campaign, thanked the more than 600 volunteers who helped clean up the lake in August and the more than 100 companies who supported the campaign. The lake clean-up campaign has been sponsored annually for 23 years by the USACE, with LHA coordinating the volunteer picnic at the end of the campaign. Margarit Gray, a professor at Anderson College and a member of the LHA Technical Committee, presented the preliminary results of some water quality testing she and her students have been doing on Lake Hartwell. Margaret reported that the quality of the water in Lake Hartwell is generally very good. Clarice Maclay, co-chair of the LHA Legislative Committee from Westminster, S.C., was presented to the membership as a nominee for Director and was elected to that position for a three year term.

Mark your calendar now for the Spring Membership Meeting, our traditional outdoor cookout meeting, which has been scheduled for April 24, 2004, at the Big Oakes Recreation Area on Hwy 29, between Anderson and Hartwell. Details about this meeting will follow in the next newsletter.

The door prize winners at the fall meeting were:

Rick Kelly	Anderson, SC	Coffemaker
Betty Lathem	Greenville, SC	Waffle Maker
Bob Parsons	Anderson, SC	Electric Griddle
Francis Kelly	Hartwell, GA	Coffemaker
Ken Lowery	Anderson, SC	Roaster Oven
Mike Gray	Hartwell, GA	Waffle Maker
Becky Martin	Anderson, SC	Electric Griddle
Dan Sharp	Anderson, SC	Coffemaker
Mike Manley	Anderson, SC	Roaster Oven
Bill Ballentine	Anderson, SC	Waffle Maker
Jackie Brenner	Hartwell, GA	Electric Griddle
Dennis Ceccarelli	Anderson, SC	Roaster Oven
Will Cole	Townville, SC	Waffle Maker
Joe Spradlin	Lavonia, GA	Electric Griddle

END

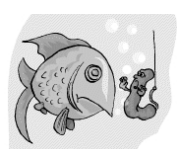
## Suggestion Box

We welcome your suggestions for this newsletter. If you have any ideas for feature articles, quarterly columns or other content please let us know. We would like your input regarding any means by which we can make this newsletter more informative and relevant to the members of LHA. Send your suggestions to [lhaneews@hotmail.com](mailto:lhaneews@hotmail.com)



## Fishing Tip: Slow Down and Scale Down

In winter I slow my trolling speed down near zero and scale down the size of my baits. Two of my favorite winter striper baits are small threadfin shad and 00 or 000 Reflecto Spoons. I fish both of these baits 4 feet off the bottom with one large split shot. My most productive location is up in the creeks and rivers in 30 ft of water. Send your fishing tips to [lhaneews@hotmail.com](mailto:lhaneews@hotmail.com)



## 13<sup>th</sup> Annual Southeastern Lake Management Conference

Submitted by Mike Massey

The Lake and Watershed Association of South Carolina (LWASC) will be hosting the 13<sup>th</sup> Annual Southeastern Lake Management Conference (SELMC) at the beautiful Wild Dunes Resort, Isle of Palms (near Charleston), South Carolina on March 7-9, 2004. This very informative conference will consist of a series of technical sessions over 2 ½ days. This annual conference is held at a location in the southeast each year. We are fortunate this year to have it in South Carolina where the issues presented and topics discussed will tend to be of a more local nature.

The conference theme this year is "Working Together – Sharing Resources." It is based on the premise that our lives and livelihoods depend on this resource (water) and we must all work together to protect and conserve it.

The technical sessions will be held on a wide variety of topics related to water resources and lake management. Technical sessions will be running concurrently throughout the day and attendees will have an opportunity to select a session appropriate to their needs to attend at any time. The sessions will address issues of interest to lake management professionals as well as private citizens and public organizations. Technical workshops and field trips to local water related projects are also planned. The Lake Hartwell Association plans to have presentations on three separate topics. We will discuss more about that in the next newsletter.

Any person or organization with water related interests will benefit from attending this conference. The conference registration is \$175 for all three days and includes some meals. Lodging rates will be additional. To obtain more information about the SELMC log onto the LWASC website at <http://www.nalms.org/lwasc/> and select "events" or contact Suzanne Thomas-Cole, PO Box 0176, Fairplay, SC 29643-0176, phone 864-287-3297, Email [suzycole@msn.com](mailto:suzycole@msn.com)

END

## LHA Needs Photos for Newsletter

Submitted by Jim Gardner

If you have digital photos of interest to LHA members, why not share them in the newsletter? We are particularly interested in images that tell a story. Some examples might be cute kids wearing life jackets, a new baby, water skiing action, sailboats, fishing trips, a trophy buck, lake cleanup, picnics, etc. Keep in mind that the images will be printed in grayscale (B&W); therefore some sunsets and fall foliage photos might not be as dramatic printed in grayscale as they are in color. If you are an artist or cartoonist and have work related to Lake Hartwell, we may be able to use it also. All photos should represent LHA members, their families, property and activities. We cannot use images that are out of focus, improperly exposed or inappropriate. We reserve the right to edit (crop, change contrast, etc.) in order to fit available space in the printed medium.

All you have to do is email images to us as attachments. JPG images are preferred, but we can use about any image format. Just follow the instructions below.

1. Give your name and permission to publish in the email.
2. Provide caption information such as names, location, etc. in the body of the email message.
3. Attach the image to the message.
4. Send it to [lhanewsletter@yahoo.com](mailto:lhanewsletter@yahoo.com) (Note: if the message "bounces" back because this mailbox is full just wait a few days and send it again.)

We will convert color images to grayscale and use them to give "eye appeal" to the newsletter. Perhaps we will get to know each other a little bit better, too.

END

## Additions to the Hartwell Lake Cleanup Donors

The following businesses are added to the list published in the fall newsletter that contributed to the success of the 2003 Hartwell Lake Cleanup Volunteer Appreciation Picnic at Big Oaks Recreational Area on September 20. These donors were added after the publication deadline. Thank you for your support.

Anderson Moose Lodge #201  
 Bojangle's Restaurant - Anderson  
 Carson's Steak Warehouse - Anderson  
 First Citizens Bank – Anderson  
 Friend's Restaurant – Anderson  
 Jolin's Fish House – Lavonia



## Recipes Wanted

Send your favorite recipes to [lhanewsletter@yahoo.com](mailto:lhanewsletter@yahoo.com)



## Meet The Director: Pat Goran *Past President still active in LHA activities*

At the Lake Hartwell Association Fall Membership meeting in October, the Board of Directors honored outgoing President Pat Goran. Mr. Goran was presented with a plaque that recognized him “for dedicated and outstanding service to the association by serving as President from May 1999 to May 2003, the longest-serving tenure of any president in LHA history.”



As immediate past president, Mr. Goran currently serves on the LHA Executive Committee and is expected to stand for another term on the Board when his current term expires in January 2004. In addition to his leadership skills, Mr. Goran has some unique occupational skills that complement, to some extent, the technical water quality mission of the Lake Hartwell Association.

Originally from western New York, Mr. Goran earned a degree in Civil Engineering from Cleveland State University in Ohio. He was employed for 12 years with Standard Oil of Ohio (now BP), where he developed an expertise in underground storage tanks and fueling systems. He moved to Marietta, Georgia, with BP in 1985 and to Hart County in 1990 with the Royston Corporation. In 1993, he and his wife, Lynette, started a small business called "Lakeside Engineering & Environmental Services." Specializing originally in regulatory compliance issues associated with underground storage tanks, the business has evolved into a full-fledged construction management firm. Mr. Goran works for companies that own and build convenience stores. He supervises construction projects, insuring that stores are built

on time, within budget, and comply with all local, state and federal regulations. While Pat handles the technical end and spends a lot of time on the road, Lynette manages to take care of the administrative end of the business at home, while working full time for the Hartwell Marina. Other LHA board members often catch up with Pat on his cell phone in the car while he is traveling to one of his many construction sites.

Pat and Lynette live on Hartwell Lake in Hart County, Georgia. Pat became an LHA board member in 1997 and was elected President in 1999. During his time in office, membership in LHA increased dramatically and a number of new volunteers joined the governing board. The association was instrumental during that period in preventing the first attempt by a local Georgia municipality to transfer water out of the Savannah River Basin, opposing a petition by Habersham County. Mr. Goran is also credited with putting LHA in the position of being a "driving force" for developing a SRB water sharing "compact" between Georgia and South Carolina, which has a precedent in other states and is currently under consideration in Georgia and South Carolina.

Mr. Goran is a licensed professional engineer in Ohio and Georgia. In spite of a busy professional career, however, he makes time for important public service. In addition to his service with LHA, he currently serves as Vice-Chairman of the Hart County Water & Sewer Utility Authority. It is with the deepest gratitude that the Board of Directors and the members of the Lake Hartwell Association want to pay tribute to his past, present and future service.

“Meet The Director” is a new feature of the newsletter and each future issue will profile a member of the LHA governing board.

END

## Upcoming Events for LHA Related Activities

LHA Board meeting, St. Andrews Church, Hartwell (7:00 pm)	1/12/04
Southeast Lake Management Conference (SELMC) 2004	3/7-9/04
<ul style="list-style-type: none"> <li>• Wild Dunes Resort, Isle of Palms (Charleston), SC</li> <li>• Cost is \$175 registration plus lodging.</li> <li>• Contact: Suzanne Thomas-Cole. 864-287-3297</li> </ul>	
LHA Board Meeting, Anderson Public Library, Anderson (7:00 pm)	3/15/04
LHA Spring Meeting, Big Oaks Recreation Area	4/24/04
LHA Board Meeting, St. Andrews Church, Hartwell (7:00 pm)	5/10/04
LHA Board Meeting, Anderson Public Library, Anderson (7:00 pm)	7/12/04
Hartwell Lake Clean-Up Campaign	8/13 to 9/18/04
Hartwell Lake Clean-Up Campaign Appreciation Picnic	9/18/04
LHA Board Meeting, St. Andrews Church, Hartwell (7:00 pm)	9/13/04
LHA Fall Info Meeting (tentative date), Anderson Civic Center	10/21/04
LHA Board Meeting, Anderson Public Library, Anderson (7:00 pm)	11/8/04

seasons  
greetings

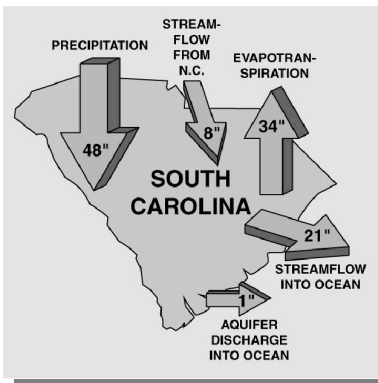


from LHA officers  
and directors

## The Governor's Water Law Review Committee

*An Important Move Forward for South Carolina Water Management*  
Submitted by Mike Massey

In June of this year South Carolina Governor Mark Sanford created the Governor's Water Law Review Committee (GWLRC). The purpose of the GWLRC is to advise the Governor about initiatives needed to preserve, maintain, and manage the water resources of this state to ensure available and affordable quantities and qualities of water for present and future use. The Committee was asked to provide recommendations to the governor by mid-December, 2003.



The Lake Hartwell Association is very pleased and congratulates Governor Sanford on this significant action. LHA has been in constant contact with members of the South Carolina Department of Natural Resources and others in South Carolina asking for just such a committee. We realize LHA is not alone in recognizing this important need but we do feel our efforts assisted to make it happen. We feel the time is right to review all aspects of water use and law in South Carolina before there are major legal battles for water between the states as there currently are with Georgia/Alabama/Florida over water in the Chattahoochee/Flint Rivers. Georgia, partly as a result of that issue, has realized the importance of water to its future and has been conducting a comprehensive water study for two years now. They are close to developing their water plan based on the recommendations from that study. South Carolina must do the same or fall behind in the water management area.

The GWLRC has been organized into three subcommittees:

1. The South Carolina/Georgia Subcommittee is particularly significant to LHA since it is charged with addressing issues specific to the Savannah River Basin. This subcommittee has stated it is chiefly concerned with the realization that Atlanta may look to the SRB for its future water needs and are attempting to define the steps necessary to manage that issue among others.
2. The South Carolina/North Carolina Subcommittee is concerned with the major issues that surfaced in the recent drought. Those consist of the dependency of

South Carolina on many North Carolina rivers, the consistency of South Carolina relicensing process related to what we expect from North Carolina and how to reduce the dependency.

3. The Intrastate Subcommittee is concerned with in-state water requirements. It is looking at recommendations for groundwater storage, aquifer levels, minimum stream flows and water quantity monitoring along with a number of additional issues. Many of the recommendations of this subcommittee will be in the South Carolina Water Plan currently under revision.

The GWLRC held a meeting in Greenville on November 18<sup>th</sup>. Mike Massey attended and presented the LHA position on a number of issues as well as some preliminary comments regarding the Draft South Carolina Water Plan. Our high level recommendations, in order of need, were as follows:

- The work of the GWLRC to date is very encouraging but must be considered a starting point. There are many issues that must be addressed in more detail before the work of this committee should be considered complete in mid-December.
- Each river basin in South Carolina should have a comprehensive water study completed specifically for it. This study would provide hard scientific evidence concerning the capacity of that basin to provide for future water needs of the residents and businesses that basin serves.
- Any comprehensive water study must consider area economic impacts resulting from the increased lake usage as a consequence of maintaining higher water levels in the basin. That economic impact should be compared to other purposes such as power generation and navigational needs to assure balance is achieved.
- Once the Operational aspects of the basin are understood, a Compact (an agreement between two states on the management of the water) should be created and managed by the states bordering the basin where appropriate (such as Georgia and South Carolina).

This newsletter contains a related article written by Allen Koleff, Chairman of the LHA Technical Committee, titled *LHA Comments on the Revisions to the S.C. State Water Plan*. As mentioned there, the full text of the LHA comments to the GWLRC have been added to the LHA website - [www.lakehartwellassociation.org](http://www.lakehartwellassociation.org). If you want to see more about the LHA response, go take a look. Also, for additional information about the Governors Water Law Review Committee, go to their website - <http://scwaterlaw.sc.gov/>.

## Lake Hartwell Association Welcomes New Members

Submitted by Clarice Maclay

Lynn and Dennis Ceccarelli, Anderson, SC  
Anthony Nelson, Atlanta, GA  
Royce R. Shafter, Ponte Yerde Beach, FL  
Ronald and Carole Pietsch, Lavonia, GA

Rick Hilton, Fair Play, SC  
Dan Sharp, Anderson, SC  
Marty Helsek, Martin, GA  
Jim and Clara Wilks, Fair Play, SC

Kenny Jascomb, Marietta, GA  
Mike and Debbie Smith, Easley, SC  
Barbara and Ed Garbe, Norcross, GA

## The Boat Doc

Submitted by Jim Gardner

### Winterizing Your Boat

(from [www.boatsafe.com](http://www.boatsafe.com))



Check the owner's manual of your boat and motor(s) for manufacturer's recommendations on winterization. The following is a generic outline of areas which should be of concern to you.

**Inboard Engine(s)** - You should run the engine(s) to warm it up and change the oil while it is warm. This tends to allow impurities to be drained away with the oil. You should also change the oil filter(s). Flush the engine(s) with fresh water. You should circulate antifreeze through the manifold by using a pickup hose from the waterpump to a bucket of antifreeze. Start the engine and allow the antifreeze to circulate until water starts to exit the exhaust. This process will vary slightly depending on whether you have a "Raw Water" cooling system or an "Enclosed Fresh Water" cooling system. Change the fluid in your transmission. Remove spark plugs and use "fogging oil" in each cylinder.

**Stern Drive(s)** - Inspect the stern drive and clean the lower unit. Drain the gear case and check for excessive moisture in the oil. This could indicate leaking seals and should be repaired. Clean the lower unit with soap and water. If your stern drive has a rubber boot, check it for cracks or pinholes. Grease all fittings and check fluid levels in hydraulic steering or lift pumps. Check with your owner's manual for additional recommendations by the manufacturer.

**Outboard Engine(s)** - Flush engine with fresh water using flush muffs or similar device attached to the raw water pickup. Let all water drain from the engine. Wash engine and rinse thoroughly. Disconnect fuel hose and run engine until it stops. It is important to follow a step by step process to make sure that all fuel is drained from the carburetor to prevent build-up of deposits from evaporated fuel. Use fogging oil in the cylinders to lubricate the cylinder walls and pistons. Apply water resistant grease to propeller shaft and threads. Change the gear oil in the lower unit. Lightly lubricate the exterior of the engine or polish with a good wax.

**Fuel** - Fill your fuel tank(s) to avoid a build up of condensation over the winter months. Add a fuel stabilizer by following the instructions on the product. Change the fuel filter(s) and water separator(s).

**Bilges** - Make sure the bilges are clean and dry. Spray with a moisture displacing lubricant and add a

little antifreeze to prevent any water from freezing.

**Fresh Water System** - Completely drain the fresh water tank and hot water heater. Isolate the hot water heater by disconnecting the in and out lines and connect them together. Pump a **non-toxic** antifreeze into the system and turn on all the facets including the shower and any wash-down areas until you see the antifreeze coming out. Also put non-toxic antifreeze in the water heater.

**Interior** - Once you have taken care of the system you should remove any valuables, electronics, lines, PFD, fire extinguishers, flares, fenders, etc. Over the winter these items can be cleaned, checked and replaced as necessary. Open all drawers and lockers and clean thoroughly. Turn cushions up on edge so that air is able to circulate around them or, better yet, bring them home to a climate controlled area. Open and clean the refrigerator and freezer. To keep your boat dry and mildew-free you might want to install a dehumidifier or use some of the commercially available odor and moisture absorber products such as "No Damp," "Damp Away" or "Sportsman's Mate."

**Out of Water Storage** - Pressure wash hull, clean growth off props and shafts, rudders, struts and trim tabs. Clean all thru-hulls and strainers. Open seacocks to allow any water to drain. Check the hull for blisters and if you find any that should be attended to, you might want to open them to drain over the winter. While you're at it, why not give the hull a good wax job? It is probably best to take the batteries out of the boat and take them home and either put them on a trickle charger or charge them every 30-60 days.

**In Water Storage** - Close all seacocks and check rudder shafts and stuffing boxes for leaks, tighten or repack as necessary. Check your battery to make sure it is fully charged, clean terminals, add water if necessary and make sure your charging system is working. Check bilge pumps to ensure they are working and that float switches properly activate the pumps and that they are not hindered by debris. Make sure either to check your boat periodically or have the marina check it and report to you.

By following some of the above suggestions you should be in good shape for the winter. Do not, however, neglect to consult your owner's manuals for manufacturer's recommendations on winterizing your boat and other systems. If you have not done a winterization job before or don't have an experienced friend to rely on, seek out a professional to do the job for you.

END



## The GO-TO List of Contacts for Storm Water Runoff into Lake Hartwell

Submitted By: Larry Lawson

Sediment build-up in the lake, generally originating from construction activities that are not properly managed, is a recurring problem. To help our members address these problems as they occur, Larry Lawson, a Technical Committee member, has developed the following list of people in various levels of government who can be called to report sediment problems. The list will also be available on the LHA website.

**Federal Level** US Army Core Of Engineers (COE) **803-253-3444**

**State Level-SC** Anderson & Oconee Counties: Department of Health & Environmental Control (DEHEC)  
Mr. Chip Polk, Storm water Program Manager **864-260-5569**

Pickens County: Department of Health & Environmental Control (DHEC)  
Greenville office Mr. Brian Kemp **864-241-1090**

**County Level-SC** In South Carolina the counties have no responsibility for storm water runoff compliance. Buildings & Code offices will be sympathetic to violations but do not have authority to respond to violations. All violations need to be reported to the Anderson DEHEC office.

**State Level-GA** Department of Natural Resources, Environmental Protection Division (EPD) Athens, GA  
Mr. Bob Bishop, Department Manager **706-369-6376**  
Mr. Bob Fulmer, Environmental Specialist **706-369-6376**  
Mr. John McCullum, Environmental Specialist **706-369-6376**

**County Level-GA** Stevens County: Mr. Rockey Harding, County Marshal Code Enforcement **706-886-9491**  
Hart County: Mr. John Caime, Dept. of Environmental Compliance **706-376-2024**  
Franklin County: Mr. Frank Ginn, County Manager **706-384-2483**

With the exception of Franklin County, Georgia, EPD has assumed the responsibility for land disturbance permitting and compliance. Franklin County may follow suit and return permitting back to the state EPD as did Stevens and Hart Counties.

## CPR-First Aid Course in Early Spring

Submitted by Dan Ray

What would you do if a one of your family or a friend has a medical emergency while your group is out on your boat or at a picnic away from immediate help? Lake Hartwell Association will offer a CPR-First Aid course taught by an American Red Cross certified instructor to help you if you have such an emergency. The course will be held at the US Army Corps of Engineers office near the Lake Hartwell dam on a Saturday in early spring if there is sufficient interest. The cost of the course as set by the Athens Chapter of the American Red Cross is \$40 per person. The Lake Hartwell Association will underwrite \$20, leaving a cost to each person of only \$20 for this extremely valuable training. The course, which takes approximately 6 ½ hours, would be held on a Saturday in early spring; the exact date and time is to be established when more is known about the size of the group interested.

If you would like to participate in this class, please contact Safety Chairman Dan Ray by phone (864-231-7007) or by e-mail (danray@innova.net). Minimum class size is 6 persons and the maximum is about 12. If more than twelve are interested, we will set up additional classes.

## Fifty Percent Discount on BoatU.S. Membership

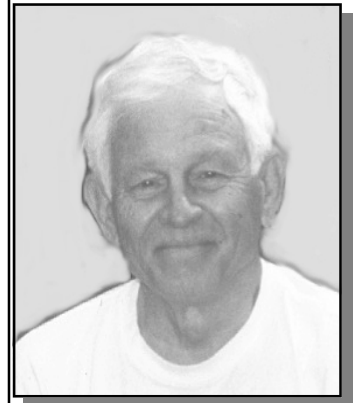
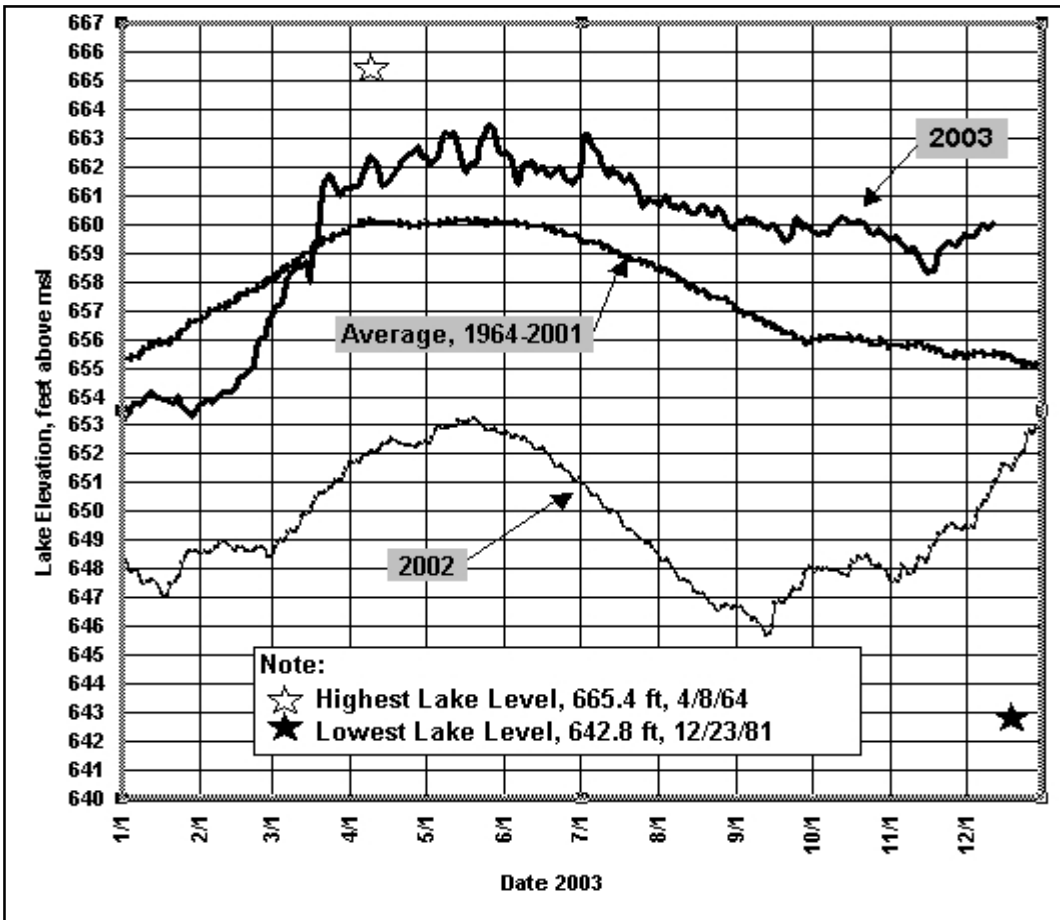
Submitted by Dan Ray

As a member of the Lake Hartwell Association, you are entitled to a reduced cost of membership in the largest association of recreational boaters. The normal membership cost of \$19 is available to new or renewal members at \$9.50 per year. All you have to do is include our Coop Group number (GA 83098B) in your membership application or renewal form. BoatU.S. is an effective lobby that fights unfair taxes, fees, and government regulations that single out boat owners. A full years subscription to BOAST/U.S. Magazine is also included. Discounts are given on fuel, overnight slips, or repairs at more than 600 marinas, coast to coast. To enroll by phone, call 1-800-395-2628.

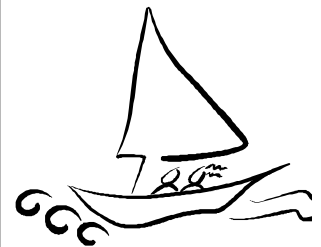


# Annual Lake Elevations Summary

Submitted by Vern Sauer



Vern Sauer, Webmaster and member of the Technical Committee



## Hartwell Shoreline Erosion & Sedimentation A Study by Georgia Tech

The Georgia Water Resources Institute and the U. S. Geological Survey recently sponsored a research project conducted by the Georgia Tech Regional Engineering Program to study shoreline erosion and sedimentation in Hartwell Lake. Shoreline erosion is a very significant problem, especially along the shoreline of the main body of the lake. In fact, there are more than 1,500 erosion control structures, such as riprap and retaining walls, constructed in an effort to stop or reduce erosion. Sedimentation is known to be a problem in some of the upper reaches and coves, but until now there was little known about sedimentation in the main body of the lake, which was the main focus of this study. Field data were collected during the period February 10-14, 2003. Data collection included measurement of surface water velocities, shoreline position data, and bathymetric (depth) data at several locations across the main body of the lake.

Depth data were compared to topographic surveys made prior to completion of the dam in 1959. It was found that approximately 6 ft of sediment has accumulated in the deepest parts of the lake over the past 44 years. Considering that depths are

greater than 150 feet in these parts of the lake, an accumulation of 6 feet of sediment would not appear to be a significant amount. Unfortunately, depth comparisons could only be made in the original main channel of the Savannah River. Depth comparisons in the parts of the lake between the main channel and the current shoreline could not be made because the original survey locations could not be accurately defined in these areas.

Velocity data collected during the survey will be used for validation of a numerical model used in a previous study of the hydrodynamics of the lake. This part of the study is still ongoing. GPS surveys that define the exact position of two peninsulas along the shoreline will be used in later studies of shoreline erosion. Results from these studies will be made available in the future.

In summary, the significant findings from this study, at this time, is that only approximately 6 feet of sedimentation has accumulated over the past 44 years in the original main channel of the lake. This is minimal when compared to the depth of more than 150 feet in this part of the lake.

END

## **The LHA Website: Do You Know About It?**

Submitted by Vern Sauer

Our web page is devoted primarily to keeping you up-to-date on current activities, legislation, LHA projects, and various committee activities. We include links to almost all of the recent letters we have written on your behalf to legislators, state organizations, Corps of Engineers, and other groups that have an interest in our lake. Links to all of the LHA newsletters for the past couple of years are provided.

The web page also provides links to obtain factual information about Hartwell Lake, such as data about the dam and lake, the Corps of Engineers Shoreline Management Plan, and fishing and wildlife. Other information includes a list of the Board of Directors, Committees, a calendar of events for the current year, and links to other lake organizations. You can also find links to other web pages that will give you lake levels and projections. For those interested in maps, there is a link to getting a detailed map of any area around the lake, and for fun, you can also get a satellite view that can be zoomed down to show details such as boat docks. We've recently added a weather summary on the home page that provides instant weather for Anderson, SC. There's also a new link on the home page that will give you the current lake level.

So, come visit our web page. The address is <http://www.lakehartwellassociation.org>. If you have suggestions, feel free to let me know by sending an email to [webmaster@lakehartwellassociation.org](mailto:webmaster@lakehartwellassociation.org)

## **Keeping Georgia's Water in the Hands of Georgians**

Submitted by Pat Goran

House Bill 237, a comprehensive water resources bill, was introduced in the Georgia Legislature in January, 2003. It was in large part the result of a nearly two-year study that was initiated by then-Governor Roy Barnes in 2001. While many parts of the bill were good and its general intent (to guide the management of Georgia's water resources for the next several decades) noble, one of the major concerns was that it would have allowed the buying and selling of water withdrawal permits. A competing bill without the permit-trading provision, Senate Bill 180, was also introduced, resulting in both bills dying in a House-Senate conference committee at the end of the 2003 session.

The Georgia Water Coalition (GWC), currently consisting of more than 70 conservation groups including the Lake Hartwell Association, is leading a grass-roots effort to ensure that Georgia's surface and ground waters continue to be a public resource that is managed in the best interests of its citizens. One of GWC's main goals is to ensure that water is not treated as a "commodity" to be sold to the highest bidder. There appears to be ample legal precedent that once water becomes a commodity (like electricity) that can be bought and sold, there is very little to prevent it from being piped anywhere, including out of the state.

Currently, Georgia water permits are issued free of charge for withdrawals of over 100,000 gallons of water per day from surface water bodies and underground aquifers to industrial and agricultural users, as well as cities and counties, throughout the state. Initially, idea of making money by selling free, surplus water resources sounded like a good deal to some financially-strapped municipalities, industries and farmers. However, many have now begun to realize the potential long-term problems of depriving themselves of a resource that is essential to their very existence.

Both the Georgia Municipal Association (representing Georgia's cities) and the Association of County Commissioners of GA (representing counties) have come out against permit trading. Current Governor Sonny Perdue, apparently recognizing the importance of water to the state's future, created the "Georgia Water Resources Council" by executive order in October. This council is scheduled to submit its recommendations to the Governor in late December.

GWC's goal is to have at least 100 cities and counties pass resolutions opposing water permit trading before this year's Legislature goes into session in January. 65 have passed resolutions as of December 5th (including Elbert, Hart and Stephens counties and the cities of Hartwell, Lavonia and Toccoa thanks primarily to LHA's efforts), and the push continues.

While one of HB237's prime supporters, House Natural Resources Committee Chairman Bob Hanner, has backed off his support of the "privatising" of water rights, most people don't expect this issue to go away anytime soon. Although individual battles in the form of local resolutions may have been won across the state, very few expect that the war over who will control Georgia's water is finished.

**LAKE HARTWELL ASSOCIATION MEMBERSHIP APPLICATION**

DATE \_\_\_\_\_  
NAME \_\_\_\_\_  
MAIL ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE (H) \_\_\_\_\_ (W) \_\_\_\_\_  
E-MAIL \_\_\_\_\_

Check all of the following that apply:  
 Individual (\$15)  Renewal  
 Family (\$25)  New Member  
 Community & Development (\$100)  Address Change

Send your check, payable to: Lake Hartwell Association  
P.O. Box 312; Fairplay, SC 29643

Email address: [membership@lakehartwellassociation.org](mailto:membership@lakehartwellassociation.org)

Web Site: <http://www.lakehartwellassociation.org>

**LHA Mission Statement**

**We** will develop and establish the Lake Hartwell Association as an organization that promotes and encourages cooperation, assistance, and information exchange among those concerned with Hartwell Lake and the Savannah River Basin.

**We** will provide a forum to collectively represent our membership on issues that pertain to the development, preservation, and comprehensive management of Hartwell Lake.

**We** will collect and distribute information on matters affecting Hartwell Lake.

**We** will maintain liaisons and communications between the Lake Hartwell Association and educational, governmental, scientific, and other communities.

**Directors and Committee Chairs**  
A.C. Forgay, Legislative  
Bert Menees, Program/Publicity  
Wayne Gaskins, Lake Cleanup  
Dan Ray, Safety  
Vern Sauer, Webmaster  
Clarice Maclay, Membership  
Al Koleff, Technical  
Jim Gardner, Newsletter

**Officers**  
Mike Massey, President  
Al Koleff, Vice-President  
Pat Goran, Past-President  
Robert Foster, Treasurer  
Louis Gaby, Secretary

**OFFICERS & DIRECTORS**

LAKE HARTWELL ASSOCIATION, Inc.  
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Fair Play, SC 29643