



Lake Hartwell Association, Inc

Summer, 2005

Volume XVII, Number 3

Letter from the President

Submitted by Mike Massey

LHA Accomplishments. Around this time of year it is with tremendous pleasure and pride that I like to inform you, the LHA membership as well as friends of the lake and area, what we have been doing for the last year or so. I know you all read each newsletter with interest and have a pretty good idea about all the major activities we have accomplished; however, putting them all together in one list and including a number of activities that may not get as much “press,” provides a pretty impressive bunch of items. Please take a few minutes to read each activity.



LHA does not have one paid employee. We are all volunteers. I am constantly in awe of the enthusiasm and commitment to the LHA mission that the board and committee members show during the course of the year. The list of accomplishments is a tribute to their efforts. Do you know any of them? Give them a call or send them an email and let them know they are appreciated. Remember, they are all working “*for the sake of the lake.*” The LHA website has contact information and other good articles about our work. Take a look!

LHA Brochures: We finally have one! LHA now has a beautiful, tri-fold, color brochure designed by our Publications Committee chairman, Jim Gardner. You will soon begin to see it in various places of business and tourist information sites around the area. We had a number of reasons for developing and printing an LHA brochure:

- We had no way of informing new people to the area aware that LHA exists. They had to find us by accident or happen to have someone mention it to them.
- We frequently meet people who have lived in the area for some time and may have heard about LHA but were not sure what our purpose, goals and activities are.
- We have embarked on a membership drive and wanted to provide a more formal document that the potential members could have which goes into more detail about the LHA mission, goals and recent accomplishments.
- Many of our members want to share the LHA message with their neighbors. They send us emails or call and ask where they can find more information and a membership form.

The brochure fills those needs. We are in the process of distributing them to tourist sites and businesses around the area. WANT A FEW? If you want to know how to get copies or are interested in more information, check out the article on page 15. We would love to send you some.

Why LHA Is Concerned About Water Planning: Many of the activities LHA is involved in are related to an effort to assure there is planning underway for future water allocation for our area. Water allocation planning for the SRB is currently lacking. “What’s the big deal?” you may ask. “There is plenty of water!” There might be here – for now. Other places in the country are growing beyond their water supply – some fairly close by. Many places have already exhausted their consumable water supply – they are looking to Uncle Sam for help. How much water is there for a human to drink? I just read a few statistics in an excellent book, *Every Drop For Sale* by Jeffrey Rothfelder. To demonstrate the statistics in the book, let’s assume all the water in the world is represented in 100 full cups of water. Of those cups, 97.5 are salt water and not currently available to humans, 2.42 cups are ice (fresh water but frozen in glaciers). Therefore, .08 of a cup, slightly less than 1/10th (approximately 7 teaspoons), is remaining for human use. To break that down further, 65% (4.5 teaspoons) goes to irrigation and 25% (1.75 teaspoons) goes for business use. So, assuming 100 cups of water represents all the water in the world, only 3/4 of a teaspoon (.008 cup) is available for human consumption. Think about it. Is water planning important?

Until next time - let’s keep the lake “clean and deep.” To contact me, send an email to mail@lakehartwellassociation.org or call 1-864-222-1925.

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vacant,
Membership

Major 2005 Goals

Following are the major goals the Lake Hartwell Association is pursuing in 2005. We believe you will agree that they represent the high ideals we are trying to maintain in concert with our mission statement.

- Conduct face-to-face meetings with lake area legislators in GA and SC, focusing on influencing legislative direction on water-related issues, sharing position papers, and seeking sponsors for proposed legislative needs.
- Assess need for boat noise regulations in SC and GA to support members' concerns, meet with appropriate legislators and, if appropriate, propose legislation accordingly.
- Continue to monitor, review and coordinate with the state and federal trustees regarding the status of the PCB Plan Settlement for Hartwell Lake.
- Continue to support the Corps on the Savannah River Basin Comprehensive Study.
- Conduct a membership drive to increase membership of property owners in LHA.
- Conduct a membership drive to increase business memberships in LHA.
- Continue to monitor water quality in the lake through review of the many water quality monitoring activities being conducted by state and federal agencies.
- Develop a process to send emails out to our members when some form of quick assistance or support is needed on issues or legislation.
- Continue cooperation and liaison with the Corps of Engineers for activities associated with Hartwell Lake including a review of the Hartwell Lake Shoreline Management Plan.
- Participate in Regional Water Planning efforts in GA as part of HB 237 State Water plan development.
- Continue active participation to support LHA interests with a local organizations and municipalities.
- Assess need and develop legislative strategy to achieve consistent boating regulations between SC and GA.
- Increase the number of members on the LHA Committees to broaden the input of ideas, share the activity effort among more people and provide the individuals who will become the future officers and directors of the association.
- Sponsor and conduct LHA member meetings as appropriate.
- Continue to provide articles and other activities to promote boating and lake safety.
- Maintain the LHA website to provide current activities of LHA and to provide information of interest to all members and friends of the Savannah River Basin.

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.



LHA president Mike Massey introduces the presenters at a recent water level forum hosted by the LHA Technical Committee. Stan Simpson and Jason Ward from the Savannah District explained the results from phase-1 of a proposed new drought management plan and answered questions about the unusually high water levels since last fall. Read Larry Dyck's comprehensive summary of this meeting on pages 8-11.

Local Group Performs Lake Clean up

Submitted by Larry Dyck, Chair - Technical Committee

On June 14 the Foothills Paddlers Club performed a river/lake clean up along a 5-mile stretch of Twelve Mile River arm of Lake Hartwell. The group collected over 1,700 lbs of trash. Pictured are some of the members receiving a certificate of recognition from the Hartwell Lake Corps of Engineers for participation in lake clean up.



Larry Dyck of the LHA presents a certificate of appreciation from the Corps to the Foothills Paddlers Club.



Some of the Paddlers negotiate a shoal in Twelve Mile River.

Programs Committee Looking for Volunteers

By Mike Massey and Bert Menees

Do you have a few spare hours a month you can share with others for the benefit of the lake? Are you retired? Want to be part of an LHA team making a difference “for the sake of the lake?”

We would like to expand the Programs Committee to include a few more activities beneficial to the lake, the area and the LHA. We need a few new people to help. The amount of time will be different for each person and is dependent upon the activities in which you as the new team member decide to participate. Some activities are annual but only require short-term involvement. Others may require less concentrated involvement but they are spread over the year.

The current activities involve the following.

- Planning and organizing the two annual LHA membership meetings – the spring picnic meeting and the fall membership information meeting.

- Providing publicity for LHA activities.
- Coordinating with the Corps for the annual Lake Clean-up Campaign. The Corps mostly handles the clean up and publicity. LHA manages and supports the campaign appreciation picnic. This is fun and is really “for the sake of the lake!”

Future activities will be up to this committee. Some considerations are as follows:

- Starting a Lake Appreciation Award program for people who do things that benefit the lake.
- Establishing clean water education programs.
- Enter your idea here.

So please - give it some thought. Call us if you want to help or if you have some questions. If you are not sure about the time involved, give me a call anyway. We will be holding a meeting in late July to discuss the committee and efforts. Come and see if you find something you like. You will be under NO obligation and it will be fun and interesting!

We are growing. Why don't you join us? Call Mike Massey at 864-222-1925 or Bert Menees at 864-261-9474.

Newsletter Now Available by E-mail

LHA members may choose to receive these quarterly newsletters *via* e-mail in addition to or in replacement of the hardcopy that we will post. We will gladly send you a PDF attachment of each edition of the newsletter. To receive *LHA e-News* send your email address to LHAnews@hotmail.com. We will not distribute these email addresses to any person, company or organization for any reason.

LHA Accomplishments and Activities

Submitted by Mike Massey

Following are the accomplishments of your Lake Hartwell Association team of officers, directors and committee members in 2004 and into early 2005. If you want to know who these people are go the LHA website – www.lakehartwellassociation.org. You will find lots of interesting information there. Do you know any members on the committees or the LHA Board? Give them a call or send them an email. Your comments and suggestions will be appreciated.

Officers and Board of Directors

- Assisted in formation of the Savannah River Basin (SRB) Coalition. LHA is a member of the Board of Directors.
- Organized a meeting with other SC volunteer water associations to discuss issues and identify best practices to assist each other with our policies, practices and goals.
- Maintained memberships in, and coordinated with, other Georgia and South Carolina water organizations to share ideas and knowledge of water initiatives and activities.
- Attended meetings and provided input to the Greater Anderson Chamber of Commerce Water Resources Committee. LHA is a member.
- Supported the formation of the Hartwell Lake Chamber of Commerce Coalition.
- Concentrated the effort to work more closely with the Corps.
- Revised internal LHA processes to improve efficiency on a number of items.
- Attended a number of local, state and national water conferences to improve our knowledge and skills regarding water issues.
- Improved our budgeting and expense tracking process.
- Provided presentations about LHA, the Hartwell Lake or other water related topics when requested by LHA members or other civic organizations.

Safety

- Managed the Personal Floatation Device (life vest) loaner program for children.
- Installed and maintained Bulletin Boards at boat ramps.
- Supported boating safety through a number of activities.

Web Master

- Improved and maintained the LHA website.
- Provided more information to members on the website.

Legislative

- Joined with other members of the Georgia Water Coalition to successfully force the revision of GA House Bill 237, which would have allowed water in Georgia to become a “commodity” by allowing the sale of “Water Permits” to the highest bidder.
- Assisted in the revision to GA HB 237 by meeting with area city and county representatives as part of a statewide effort to pass local resolutions opposing the sale of water

permits.

- Conducted a survey with local SC and GA political candidates campaigning for office in 2004 and posted their responses on the LHA Website so LHA members could understand the candidate’s positions on water issues.
- Issued LHA Position Papers (available on the LHA Website) on:
 - A GA/SC Water Compact
 - Interbasin Transfers,
 - Water Management Planning
- Shared LHA position papers with area water-related organizations and coalitions.
- Supported LHA interests through several meetings of the Georgia Water Coalition in developing long-term positions and principles for Water Planning in GA.
- Formed a committee to study and implement boat noise control strategies and legislation for Hartwell Lake in both SC and GA.

Membership

- Improved the member renewal process.
- Revised the member database for more accurate, efficient and timely updates.

Technical

- Completed a study of lake water quality through a grant to Anderson College for the purpose of understanding coliform bacteria levels entering the lake from the major tributaries. This study provides a baseline for future monitoring efforts.
- Spearheaded a drive to review, recommend revisions and encourage citizen comments to the PCB Settlement-Plan for damage to the natural resources of Lake Hartwell. This effort resulted in informing and organizing stakeholders so as to provide input to the Natural Resource Trustees and to Legislative delegations on the solutions that are in the interest of users of Hartwell Lake and its natural resources. (This major effort is ongoing.)
- Monitored water quality in the lake through review of the many water quality-monitoring activities being conducted by state and federal agencies.
- Attended meetings, supported and commented on technical aspects of the SRB Comprehensive Study being conducted by the Corps.
- Continued to review the compliance records of all permit holders that discharge treated water into the lake or any of the streams that feed it.
- Assisted several lakeshore landowners with questions about lakeshore management issues.
- Reviewed and commented on lakeshore development plans that impact our members.
- Reviewed all applications and permit reissuance for water discharge into Hartwell Lake from the State of GA Department of Natural Resources or SC Department of Health and Environmental Control to assure they are in concert with LHA goals and mission.

(Continued on page 5)

Comprehensive Economic Impact Analysis Proposed for Lake Hartwell

Submitted by Mike Massey

In 2003 near the end of the drought, the Lake Hartwell Association board members wondered what the impact of the drought was to residents and area businesses when the water dropped below 5 feet and beyond. We were wondering if the economic and residential impact was significant enough that it should be given more weight in the management of the lake. The LHA Board of Directors approved the funding of a survey to try and find that answer. 1,227 residents and 62 companies completed the survey. The major finding was that the area lost an estimated \$123 million in revenue for the types of businesses surveyed. Additional findings demonstrated that the loss was due primarily from a decrease in the recreation use of the lake. It may not have been a comprehensive survey of all impacts to all residents and types of businesses but it was enough to get people thinking about the actual value of this lake to the area.

Recently, the Greater Anderson Chamber of Commerce Water Policy Committee, chaired by Mike Gray, decided to take the next step and initiate "The Lake Hartwell Impact Analysis." The purpose of this initiative is to develop an accurate picture of the economic impact of Lake Hartwell on Upstate South Carolina and Northeast Georgia. The Lake Hartwell Association is a member of the chamber and an active member of that committee. LHA firmly supports this study.



The major finding of the study was that the area lost an estimated \$123 million in business revenue mostly due to a decrease in recreational use of the lake.

The Chamber contacted the Appalachian Council Of Governments (ACOG) in Greenville to conduct a feasibility study. The study was recently completed and a copy of the report is available on the LHA website. LHA is proud that ACOG has listed the major findings of the 2003 LHA study and makes the following comment: *"With the exception of the survey completed by the Lake Hartwell Association and some basic data released by the Corps, there is very little information related to the economic importance of Lake Hartwell to the region."*

The ACOG report also states *"While the economic impact of Lake Hartwell is apparent through casual observation, its effect has never been quantified. As a result, economic impact is given little attention in establishing management policies for the lake. The tremendous impact of management decisions on the livelihoods of people, businesses, and local governments that are dependant on the lake are given little consideration. A comprehensive and accurate Lake Hartwell Impact Study will provide the tool necessary to make economic impact a priority in the management of not only Lake Hartwell, but the entire Savannah River system."*

The ACOG estimates that the cost of the proposal is between \$100,000 and \$150,000. This cost could increase significantly depending on the final recommendations from the Chamber. Currently the Water Resources Committee is investigating available sources of funding for the proposal. LHA looks forward to the continuing progress of the study and is confident that the results will be positive for Hartwell Lake.

(Continued from page 4)

Publications

- Issued 4 newsletters.
- Established the LHA eNews as an electronic (PDF) alternative to the paper copy of the newsletter posted to members at large.
- Improved the newsletter look and process.
- Developed an LHA Brochure to increase awareness of

LHA and its activities and to provide a document to increase membership.

Programs

- Co-sponsor the annual Hartwell Lake Clean-up Campaign with the Corps. (Approximately 36 tons of debris removed in 2004.)
- Manage and support the LHA Spring Picnic and Fall Information Meeting.
- Provide publicity for appropriate LHA activities.

Settlement for PCB Damage: Residents' Comments Make a Difference

Submitted by Larry Dyck, Chair - Technical Committee

The trustees have received hundreds of comment letters from residents and users of Lake Hartwell, many of them members of the Lake Hartwell Association, according to Paul League, legal counsel for the South Carolina Department of Natural Resources and the lead attorney for the Natural Resource Trustee Council. The magnitude of citizen response has caused discussions of the proposed settlement to continue among the Trustees. In addition negotiations are continuing between the trustees and Schlumberger, the current owner of the Sangamo-Weston plant and the party legally responsible for PCB contamination in the lake. These negotiations will result in a revision to current settlement plan called the *draft* Lake Hartwell/Twelve Mile Creek Restoration and Compensation Plan (see: www.dnr.state.sc.us/lakehartwell/plan.html).

Under the CERCLA component of federal environmental legislation (Superfund), certain Federal and State natural resource agencies act as trustees in the public interest. These Natural Resource trustees assess and recover damages for injuries and losses that occurred to the natural resources (i.e., water, soil, fish and wildlife) as a result of hazardous substances (PCBs in this case). For Lake Hartwell and Twelve Mile River the trustees include the U.S. Fish and Wildlife Service, US Army Corps of Engineers, SC Department of Natural Resources, Ga. Department of Natural Resources, SC Department of Health and Environmental Control.

Injury occurred between 1955 and 1977 as an estimated 400,000 lbs of PCBs (polychlorinated biphenyls) were released into Town Creek, a tributary of Twelve Mile River and Lake Hartwell. PCBs are chemically stable oily liquids with low water solubility; they are fire-resistant and do not conduct electricity. Sangamo-Weston used PCBs as insulators in the production of electrical capacitors. Unfortunately the same resistant properties that made PCBs good for electrical equipment have made them essentially resistant to natural decay in the environment.

PCBs are toxins with a broad range of effects, including physiological, immunological, developmental and reproductive. They impact fish and wildlife as well as on human health. PCBs degrade very slowly and remain attached to clay and organic sediments for many decades. They are mobilized from the sediments into the food chain and ultimately concentrate in the fatty tissue of fish. For the past 30 years the Twelve Mile River and upper Seneca River Arms of Lake Hartwell have experienced the Fish Consumption Advisory, "Do Not Eat Any of the Fish." For other regions of the lake, an Advisory also occurs, but it is reduced to recommendations to abstain from, or limit the consumption of migratory fish (striper and hybrid bass).

In February of 2005 the Natural Resource Trustees released a *Draft* "Lake Hartwell Restoration and Compensation Determination Plan." The Plan recognized PCB-based losses to two components of the natural resources, ecology and recreation. To assess ecological losses the trustees reviewed the history of contamination to the natural resources of the region; however they did not place a dollar value on that injury. To compensate for the injury, the Trustees recommended the removal of two of the three small dams on Twelve Mile River that impede the passage of clean sediment into Lake Hartwell. Clean sediment is required to cover and mitigate the PCB-contamination of the lake bottom of the Twelve Mile River and upper Seneca River arms of Hartwell Lake. For recreational losses, all emphasis was placed on recrea-

tional fishing loss. Losses were assessed through an economic formula that calculated the impact of the Fish Consumption Advisory on Lake Hartwell fishermen. The calculation estimated that between 1981 and a future time, when no Advisory exists, the value of Lake Hartwell fishing trips diminished by between 7 & 18 million dollars. To compensate for the injury, the trustees recommended using the money to:

- (1) Create new (off-Lake Hartwell) impoundments to catch PCB-free fish
- (2) Create new access for fishing (e.g., build jetties below the Hartwell Dam)
- (3) Stock fish in the new fishing areas.



Dr. Larry Dyck

The Lake Hartwell Association reviewed the draft plan carefully. The Board of Directors approved a position paper on PCB Restoration and Compensation (see LHA website), which it circulated to legislative representatives in both South Carolina and Georgia. In addition the Board under the guidance of the Technical Committee worked to inform the membership of public meetings and the opportunity for public input.

The Lake Hartwell Association encouraged the membership to address five issues:

- (1) *Compensation-dollars for lost recreational fishing should be used to improve the natural resources within Lake Hartwell, not to build new structures off-site.*
- (2) *Ecological restoration should remove all three dams in Twelve Mile River so that clean sediments will pass downstream in a natural manner.*
- (3) *Dredging and disposal of sediments from behind the dams must involve rigorous PCB testing and monitoring before, during and after dam removal.*
- (4) *The users of Lake Hartwell, as well as the citizens of the affected counties in South Carolina and Georgia, should be considered stakeholders in the Restoration and Compensation Plan. Stakeholders should participate in decisions regarding the allocation of monetary resources.*
- (5) *Another public meeting should be held with interested stakeholders prior to finalizing the monetary allocation for the "Lake Hartwell Restoration and Compensation Determination Plan."*

According to Paul League the most frequently heard theme in public comments was the desire to remove the third dam and to allow clean sediment to flow freely down Twelve Mile River to cover PCBs in the most contaminated region of the lake. Mr. League was unable comment on other priority comments in citizen letters. He indicated that the trustees are reviewing all letters to produce a modified Plan that will become an attachment to a Consent Decree. The latter is a legal agreement between Schlumberger and the Department of Justice. The Consent Decree is filed with the Federal Court at which time there will be a 30-day public comment period. The Lake Hartwell Association is hopeful that the Association's suggestions, as well as those of other citizens and citizen groups, will be included in the Consent Decree, but we will remain alert to the need for additional comment.

Thanks to all who participated in this important effort to enhance the natural resources of Lake Hartwell and Twelve Mile River. If you are interested in helping with this effort please consider joining the Technical Committee or send an email to Larry Dyck (dyckl@clemsun.edu).

News From The Corps



Hartwell Lake Annual Clean Up Begins Soon

Between August 19 and September 24, Hartwell Lake will be spruced up, thanks to an annual effort to pick up litter around the lake and your help is needed!

The annual clean up campaign provides a chance for people who care about Hartwell Lake to roll up their sleeves and give something back to the environment. The U.S. Army Corps of Engineers Hartwell Lake Office and the Lake Hartwell Association coordinate the clean up.

The way the clean up campaign works is simple. Individuals, families and organizations such as scout groups, church groups, civic clubs, neighborhood groups, property owners associations and businesses sign up to clean sections of the shoreline or islands around the lake. Many people simply clean the area near where they live but the Corps will assist groups in finding areas to clean as well. Trash bags are provided and all participants will be treated to a free "Volunteer Appreciation Day" picnic on September 24 where there will be lots of entertainment, food, and prizes.

The Hartwell Lake Clean Up Campaign began 25 years ago and is now included in the nationwide program – National Public Lands Day (NPLD). The clean up is also part of Georgia's "Rivers Alive" program and South Carolina's "Beach Sweep, River Sweep" program.

Report Trashy Areas!

Have you seen an area of public land around Hartwell Lake in need of a litter pick up? If so, volunteer to clean it as part of Hartwell Lake's upcoming annual clean up campaign or have it added to the Corps clean up list and the Corps will try to match a group to clean it. To report an area, call the Hartwell Lake Office at 1-888-893-0678, x 323 or email at cesas-op-h@sas02.usace.army.mil. You will need to supply the exact location including directions by car and a description of the litter (such as quantity).

Our forests, parks, beaches and recreation areas are national treasures and keeping them clean means keeping them safe and attractive. So start making plans now to participate by talking to your neighbors (hey, what a great way to get to know them), at your next club meeting, at work - you get the picture!

How do you sign up? All Hartwell Lake shoreline permit

holders will receive sign up forms and information in the mail in early August and the information will also be posted on Hartwell Lake's web page at www.sas.usace.army.mil/lakes/hartwell. You may also call Corps Park Ranger Tanya Grant at the Hartwell Lake Office at 1-888-893-0678, ext. 323, or 706-856-0323, or LHA Clean Up Coordinator Wayne Gaskins at 706-356-1945.

Corps Begins Shoreline Management Plan Review - Comments Requested!

The U.S. Army Corps of Engineers has initiated the public review process to update the Hartwell Project Shoreline Management Plan. Shoreline management plans are documents outlining the types of facilities and activities that can be authorized on public lands and waters adjacent to many Corps managed civil works projects such as Hartwell Lake.

The requirement to establish shoreline management plans for all Corps projects with existing shoreline use permits was originally enacted in 1974. Hartwell Lake initiated an interim plan in 1973 in anticipation of this requirement. Following several public meetings and Congressional hearings, the initial Hartwell Project Shoreline Management Plan was implemented in 1979. Through intensive public review processes, updates to the plan occurred in 1989 and 1998. Due to management and public concerns resulting from continued rapid development of private property adjacent to Hartwell Lake, the plan will again be reviewed and updated.

With over 11,000 shoreline use permits issued (over 10,000 which include boat docks), Hartwell Lake has more permitted facilities and activities as well as more shoreline open to private

boat docks than any other Corps lake in the nation, making Hartwell's Shoreline Management Plan the Corps most liberal plan in the nation. Under existing zoning (known commonly as green, yellow and red areas) and current guidelines, the potential exists to have over 25,000 docks on the lake. As a result, zoning changes are not being considered during this review.

In an effort to maximize public involvement, the Corps is actively seeking written comments on the current Hartwell Project Shoreline Management Plan. Comments may include likes, dislikes, desired changes and other ideas or suggestions. Comments can be made on-line on through the Corps Hartwell Lake website found at www.sas.usace.army.mil/lakes/hartwell (select "Shoreline Management") or by mail. Mailed comments should be sent to: Hartwell Project Operations Manager's Office, Attn: Mark Dotson, P.O. Box 278, Hartwell, Georgia 30643-0278.

In addition to written comments, public workshops will be scheduled for later this year. Workshop dates will be announced through local media outlets and at www.sas.usace.army.mil/lakes/hartwell. Additionally, shoreline use permit holders will be notified of meeting dates and locations by mail. If you have any questions concerning the shoreline management plan update, please contact Park Ranger Mark Dotson, toll-free, at (888) 893-0678, extension 357.

LHA Holds Water Level Forum

Submitted by Larry Dyck, Chair - Technical Committee

On June 6, the Lake Hartwell Association's Technical Committee held a Water Level Forum. Present were Stan Simpson, water level manager for the Savannah District, Jason Ward, Savannah District hydrologist and Virgil Hobbs, project manager for the Hartwell Project. Also present were members of the LHA Technical Committee, the LHA Board of Directors and community leaders. Two topics were discussed: (1) the

helps model the processes to determine the impacts of modified drought rules and water release triggers.

The comparison figure illustrates that as the conservation pools in Hartwell and Thurmond are lowered during a drought, power generation continues until the bottom of the conservation pool is reached. By comparison, Russell lacks this flexibility, as the conservation pool is limited to only five feet (475 to 470). Russell, however, has greater power generation capacity than the other projects. Russell can produce over 600 MW of power, whereas Hartwell and Thurmond generate 422 and 364 MW



Dr. Larry Dyck, LHA Technical Committee Chairperson, kicks off the SRB Water Level Forum held at the Anderson Library.

Phase-I Drought Management Plan proposed in the Savannah River Basin Comprehensive Study and (2) current water level management at Hartwell Lake. The Lake Hartwell Association is most appreciative of the Corps' openness and desire to discuss these topics with stakeholders. Below is a summary of the two discussions.

Phase-I of Drought Management Plan

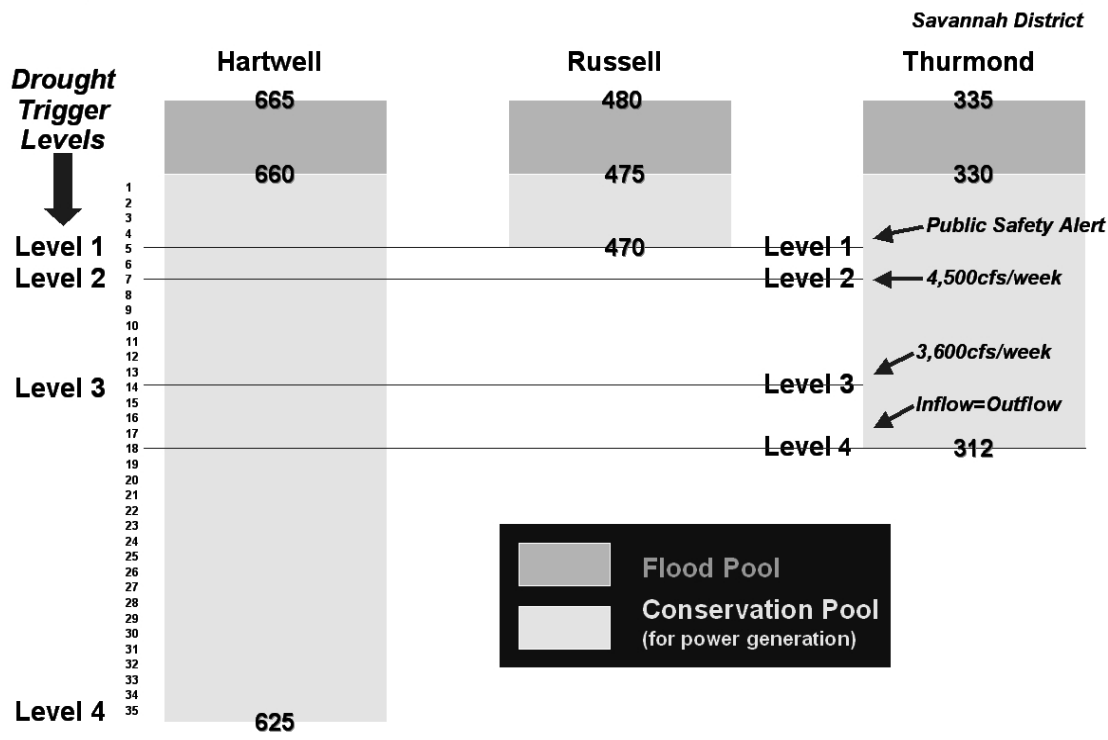
The current drought management plan for the Savannah Basin (established in 1989) consists of a series of four drought triggers imposed during falling water levels in Lakes Hartwell and Thurmond (see figure right). As part of the Comprehensive Savannah River Basin Study, sponsored by the Corps of Engineers along with the states of South Carolina and Georgia, this drought plan is undergoing re-evaluation. In evaluating the drought plan an array of needs within various regions of the basin are considered. Among these needs are the allocation of water supply, flood control, hydropower generation, water quality and flow, fish and wildlife management, aquatic plant control and recreation. A sophisticated transport model, HEC-ResSim, developed by the University of California at Davis

respectively. In addition four of Russell's eight turbines are capable of pump-back. This allows water to be cycled between Thurmond and Russell. Water can be released through Russell's turbines during the daytime to generate power. Subsequently, this same water can be pumped-back from Thurmond into Russell, generally at night, when demand for power is reduced, and cost is minimal.

The Phase-I Drought Model evaluated the possibility of modifying trigger levels, flow rates and pump-back. In meetings of Basin Stakeholders two fundamental concerns were vocalized. Downstream of Lake Thurmond (i.e., city of Savannah, etc.) there is a desire to maintain maximum water flows out of the lakes so as to protect downstream water quality, water allocations, fish and wildlife habitat and to limit salt-water intrusion into the aquifer. On the other hand, within Lakes region itself, around Lakes Thurmond, Russell and Hartwell, there is a desire to reduce water loss and to slow the drop in water levels within the projects. Based upon these discussions compromise...win-win...modifications to the drought plan are proposed (see table on next page).



Pool Comparison & Drought Trigger Levels



Notice that by comparison with the actual drought condition occurring between 1998 and 2003, modified trigger levels and flows would have produced some limited benefits on Lake Hartwell water levels. The lake would have been as much as three feet higher early on in the drought (year 2000, upper arrow), but water levels would be about a foot lower later in the drought (2002 & 2003). The major moderating influence for low water levels in Lakes Hartwell and Russell would occur through the use of pump-back at Russell (not shown on the graph). However, neither the Comprehensive Study nor the Savannah District has the authority to mandate the use of pump-back. This aspect must be negotiated with the Southeastern Power Authority, the entity that holds the power contracts for the region. It appears negotiations of this type would be a next step for the Comprehensive Study and for interested stakeholders.

Tentative Phase-I modifications to the drought plan:

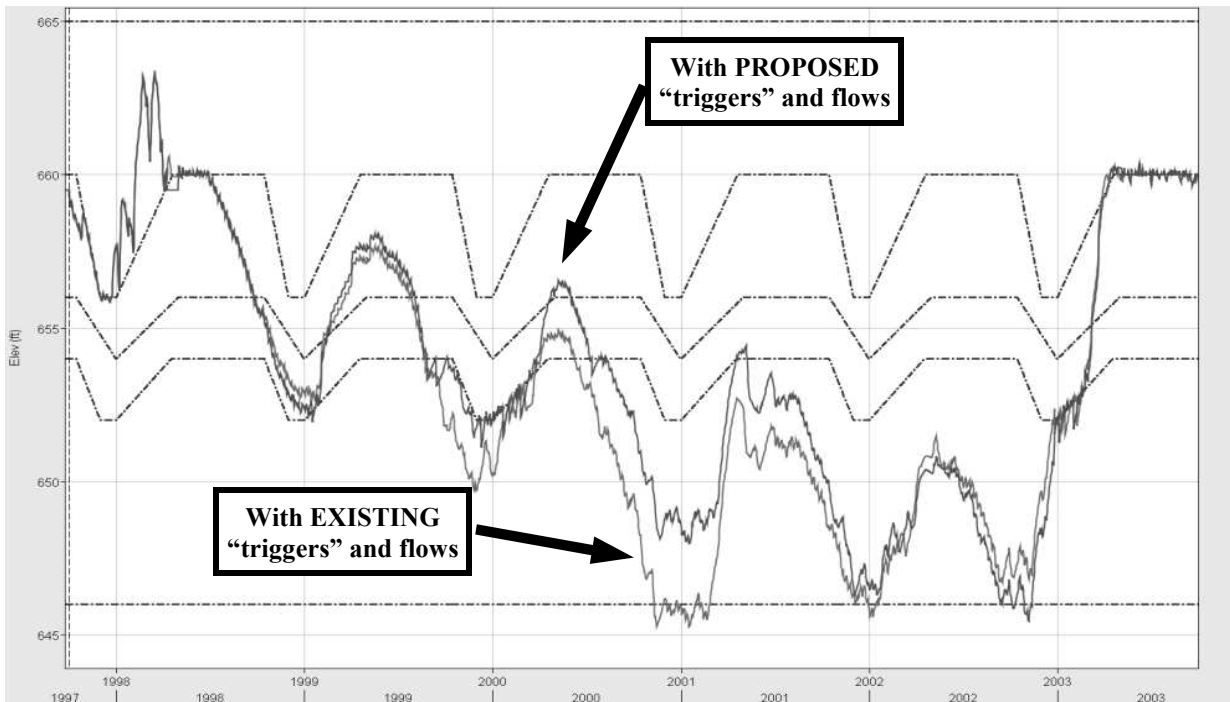
Proposed Change <i>(tentative)</i>	Influence on Downstream flows <i>(below Thurmond)</i>	Influence on Pool Levels <i>(Thurmond & Hartwell)</i>
Increase flow during recovery <i>(when recovery is 2 feet above trigger-level increase release to next higher trigger-level)</i>	Increases flow downstream	Slows rise in pool level
Increase Level-3 flows at Thurmond <i>(from 3600 cfs to 3800 cfs/week)</i>	Increases flow downstream	Speeds drop in pool level
Maximize pump-back at Russell <i>(within current environmental limits)</i>	Decreases flow downstream?	Slows drop in pool level
Modify flows at...	Causes...	And...
Trigger 1 from no flow restriction to 4200cfs max/week	Decreased flow downstream	Slows drop in pool
Trigger 2 from 4500 to 4000cfs max/week	Decreased flow downstream	Slows drop in pool
Trigger 3 from 3600 to 3800cfs max/week	Increased flow downstream	Speeds drop in pool

In addition the Phase-I study cannot address permanent changes in pool elevations (e.g., permanently raising the height of the conservation pool). The latter is a topic for a Phase-II study. Unfortunately funding for Phase-II studies is currently deleted from the Corps budget.

In summary, two or three major changes might be imposed in a new drought plan. One change alters trigger levels and flows. A second change imposes mandated pump-back at Russell, and a third permanently alters pool levels within projects. At this time, only the first of the three changes is under active consideration. Before changes in trigger levels and flows can be made permanent in a new drought management plan, they must undergo additional environmental assessment. The latter is expected to be completed by September of 2005.

(See the next page for Larry's summary of water level management discussion at the forum.)

Lake Hartwell Water Levels during drought: with proposed and existing Trigger Levels and Flows

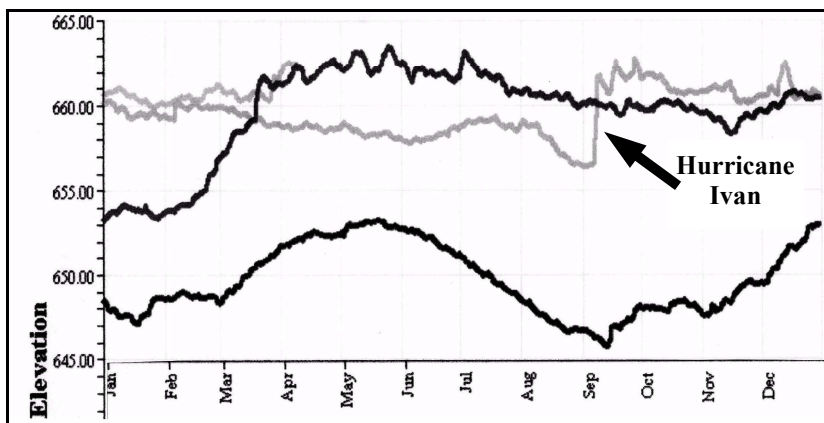


Water Level Management for Lake Hartwell

The second topic addressed at the Forum was the management of water levels in Lake Hartwell. Since 2002, there have been significant blocks of time where water levels have been held above the top of the conservation pool (elevation 660) and within the flood control pool.

mit their passage over the lock and dam at Augusta. Initial recommendations were for two pulses of 16,000 or more cfs, each for periods of three days. To accommodate these pulses water is stored in the flood control pools of Hartwell and Thurmond. It is estimated that up to 1-2 feet of water are required from Hartwell and Thurmond to provide for the pulses.

While elevated water levels have provided lake users a much-desired aesthetic benefit by covering the ugly red scar of the Lake Hartwell shoreline, they also carry with them certain risks. Chief among the risks are shoreline erosion and the potential for flooding. The Corps of Engineers has observed significant erosion within parks near the dam, as well as erosion along the banks of the Tugaloo arm of the project. In addition, elevated water levels have induced new scarps as elevated water erodes the bank at higher elevations than in the past.



On the opposite side of the issue is flood management. Most historic flood damage in the basin has occurred in Augusta and below. However, since the Thurmond and Hartwell projects have been in place, the flood prone regions have been protected and have not experienced the great surges of floodwaters that occurred the 1950s, before the projects were constructed. Nonetheless, a potential

Water level, like drought regulation, is a multipurpose issue. Fish and wildlife agencies in conjunction with the Nature Conservancy have advocated pulse releases of water below Thurmond at the Augusta Locks. As fish migrate upstream water levels must be elevated to per-

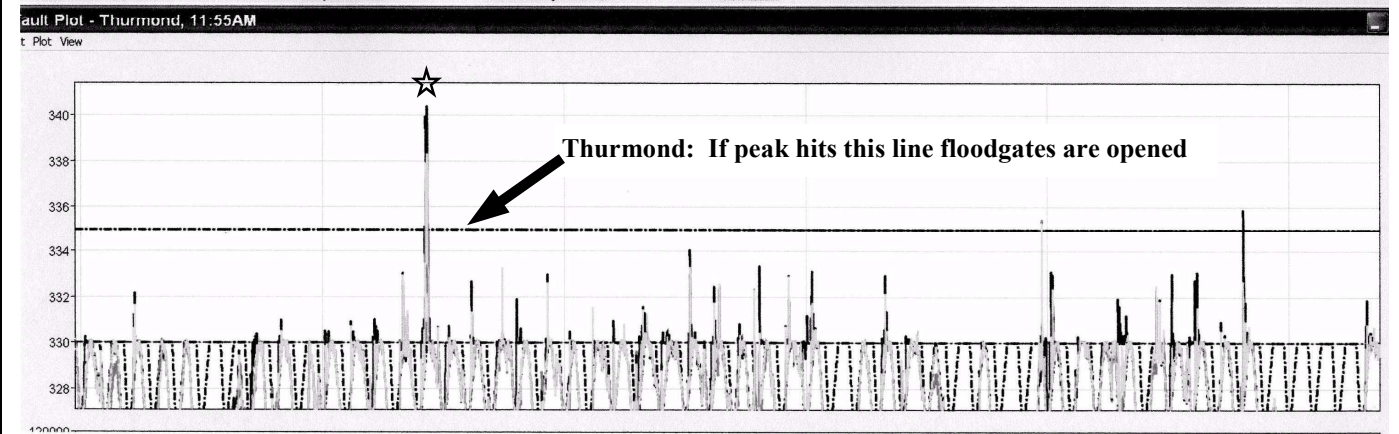
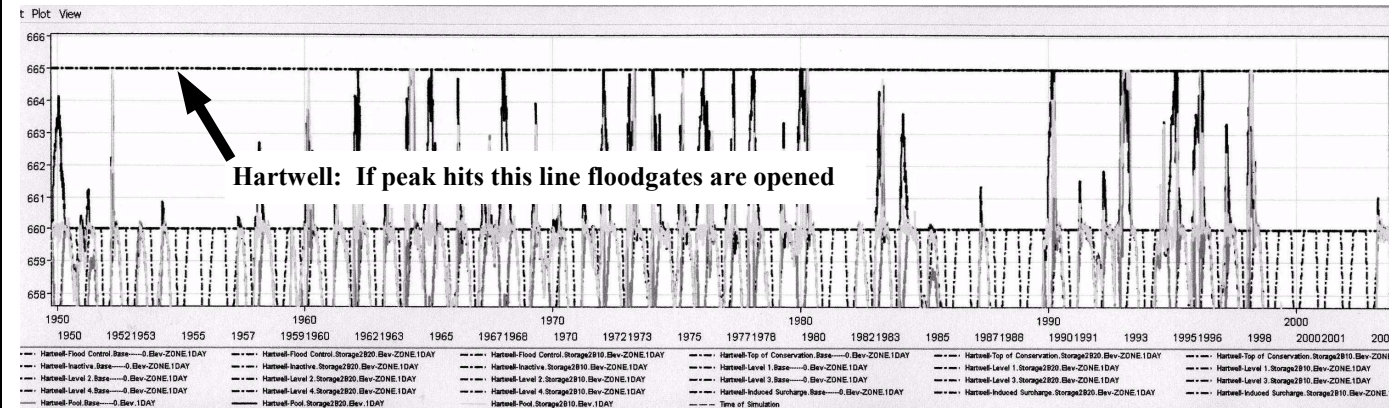
problem with elevated water levels in Hartwell is the possibility of exceeding the capacity of the flood pool and thus requiring floodgates to be opened. The figures below illustrate models of exceeded capacity run by the Corps of Engineers. They show what would have happened over the history if Lakes Hartwell and Thurmond if water had been held at levels of the past year.

How many times would floodgates have been opened if winter pool was held at the 2004-2005 level?

The modeled-historic data show that water levels in Lake Hartwell would have approached the top of the dam many times and necessitated the opening of floodgates...if the 2004 Lake Hartwell water levels were in use. However, the good news is that Thurmond would still have the ability to absorb most of the excess flow. Only three times in history would Thurmond floodgates opened under elevated water levels model. Unfortunately, one of these times a significant flooding event would have occurred (see star on figure).



Water level control manager Stan Simpson (seated center), and hydrologist Jason Ward (standing center) answered questions relating to the proposed water level and drought management plans.



high should the pool be and for how long should it be elevated. Unfortunately, power generation in the summer period makes it highly unlikely that elevated water levels can be sustained during the summer season. However, a glance at the 2004 data shows that Hurricane Ivan in September of 2004 caused water levels to rise by about 6 feet in a matter of a few days (see arrow on 2004 graph). Furthermore, since the Ivan-event, the water level in Lake Hartwell has not dropped out of the flood control pool for an extended period of time. Perhaps Phase-II of the Comprehensive Study will allow further evaluations of the merits and liabilities of holding water in the flood pool. Comments on water levels and water management should be sent to Larry Dyck (dyckl@clermson.edu).

Boating Safety....Who Ya Gonna Call?

Submitted by Joe Brenner

LHA has had a number of comments from frustrated members regarding unsafe boating practices on the lake. These include excessive waking, unsafe distances, excess speed in narrow channels, etc. In order to improve the overall safety of the lake we want to provide you with the appropriate contact information if you need to report unsafe boat operation. The respective state DNR departments are responsible boating regulation enforcement.

- For South Carolina, Capt. Larry Holbrooks heads enforcement out of Clemson. The number there is 800-922-5431 or 864-654-8266. Larry's extension is 17.
- The GA DNR enforcement is headed up by Sgt. Stan Elrod in Gainsville. The Lake Hartwell officer is Cpl Craig Fulghum. Their number is 800-241-4113 or 770-535-5499.
- The Corps of Engineers also monitors boating safety for compliance to federal and Coast Guard regulations. They can be reached at 888-893-0678 or 706-376-4788.

Any reports should be as timely and complete as possible including times, locations and boat descriptions and registration numbers.



Responsible Boating - You're in Command

Submitted by Dan Ray (Source: U.S. Coast Guard)

The U.S. Coast Guard's latest boating-related accident statistics (for 2003) indicate:

- 703 deaths-3,888 injuries-nearly \$40.5 million in property damage.
- Eighty-six % of drowning victims were not wearing life jackets.
- Alcohol was involved in close to 40% of all boating fatalities.
- About 80 % of all boating fatalities occurred on boats where the operator had not taken a boating safety education course.
- The most reported types of accidents are collisions with other vessels. Capsizes and falls overboard are the most reported types of fatal accidents which account for over half of the boating fatalities.
- Overall, operator inattention, carelessness/reckless operation, operator inexperience and excessive speed are the leading contributing factors of all reported accidents.

Recreation boating accidents are tragic because the great majority are preventable. What can you do to reduce the chances of a boating problem?

- √ Wear a life jacket
- √ Never boat under the influence
- √ Take a boating safety course
- √ Get a free Vessel Safety Check (VSC)

For information on boating courses and free vessel safety checks contact Dan Ray at 864-231-7007. Members of Power Squadrons and the U.S. Coast Guard Auxiliary provide these services for the boating public.

Boating Safety Quiz

Submitted by Dan Ray Source: BoatU.S.

1. What is the number one cause of boats sinking at the dock?
 - A. Rain/snow filling the boat with water
 - B. Leaking hull fittings
 - C. Leaks coming from hull damage area
 - D. Storm damage
2. Which is not required to have a capacity plate?
 - A. Personal watercraft (PWC)
 - B. A ten-foot johnboat
 - C. An eighteen-foot catamaran sailboat
 - D. A twenty-foot center console fishing boat
3. How close are you allowed to come to a naval vessel without obtaining permission?
 - A. 100 ft B. 100 yd C. 500 yd D. 1000 ft
4. In order to minimize the risk of taking aquatic nuisance species with you from one lake to another you should
 - A. Drain all water and live wells at the ramp
 - B. Scrub all boating equipment and the boat
 - C. Remove all plant material from the boat and trailer
 - D. Drain any water from the trailer lights
 - E. All of the above
5. Which of the following are required to operate a PWC?
 - A. Fire extinguisher
 - B. Registration and title
 - C. Sound producing device
 - D. PFD for each person aboard
 - E. All of the above

Answers B C B E E

If you missed any of these you ought to consider taking a boating safety course to increase your boating knowledge.

Organizations that offer these courses locally are as follows.

- Lake Hartwell Sail and Power Squadron (David Cross at 864-609-2318)
- Golden Corner Power Squadron (Marlyn Stroven at 864-985-0788)
- United States Coast Guard Auxiliary (www.cgaux.org)

If you prefer you can take the America's Boating Course on line, go to www.AmericasBoatingCourse.com or call 1-866-262-8222.

Watch Out For Icebergs!

by Joe Brenner

As we're all aware by now all of the non-encapsulated dock flotation must be replaced by the end of this year. That should be very good news for the appearance of our lake and the environment. Unfortunately, one unpleasant side effect of this change seems to be a huge increase in the number of floating Styrofoam icebergs on the lake this year. By the large number, it is clear that these are not isolated break-aways, but largely those released in an effort to avoid the trouble or cost of proper disposal. Aside from the unsightliness and environmental impacts, large heavy chunks of flotation can be a serious navigational safety issue that can result in significant boat damage or personal injury. These things are very hard to see, and I hate to imagine someone doing 40MPH on a jet ski hitting one!

As members of LHA we must do everything we can to protect our lake and its inhabitants. Since the average person is not equipped to change flotation, I personally have a feeling that some unscrupulous folks doing dock repairs are dumping these items in the lake to put some extra money in their pockets.



Joe Brenner

What can you do? If you see anyone dumping old flotation in the lake, report him or her to the Corps. There's no need for confrontation, just get a location and boat number or other identification. If you do need to hire someone to replace your flotation, make sure they are reputable. Inquire as to how they plan to dispose of the waste material.

Let's all pitch in to make this transition a safe one.

Legislative Committee Update

Submitted by Joe Brenner

One of the goals for the LHA Legislative Committee this year is to meet individually with our area state legislators. The focus for these meetings is to inform our representatives about LHA and discuss our positions on Interbasin Transfers, the need for an Interstate Compact and developing state water plans. Thus far meetings have been held with our Georgia legislators: Representatives Powell and Jamieson, and Senator Schaefer. These meetings also presented an opportunity to discuss the proposed PCB settle-



Water legislation is discussed by Mike Gray, Chairman of the Anderson Chamber of Commerce Water Policy Committee, SC Senator Kevin Bryant and former SC Senator Robert Waldrep, currently the Chairman of the Savannah River Basin Coalition

ment and the need to obtain sufficient funding for the Georgia water planning process and the USACE SRB modeling and study. All of our representatives seemed appreciative of our discussions, were well informed and showed good support and a willingness to help in our efforts. Similar meetings will be held over the balance of the year with our South Carolina legislators.

Also, as part of the PCB settlement issue, letters were sent to our representatives to inform them of our concerns and seek support. A number of these legislators took a very active role in contacting the trustees both in writing and by phone to express support for LHA's position. Regardless of the outcome, it appears that their efforts, along with the many letters from our members, have encouraged the trustees to take a fresh look at the plan.

Inspect Flame Arresters To Save Lives

Submitted by Dan Ray

Most boaters driving gasoline-powered boats with INBOARD ENGINES know that there is something on top of the carburetor. They probably think it's to keep bugs, loose clothing, and other airborne objects from being sucked into the engine. Those who are more knowledgeable may know it is a backfire flame arrester, but they don't know how important it is. Some may even think about taking it off to "let the engine breathe" better and increase speed, even one-tenth of a mile per hour.

On one boat some years ago the owner who was not aware of the importance of the flame arrester had replaced the arrester with an automotive paper element air cleaner. The owner still had the sack from the auto parts store with the sales slip. There was an engine compartment explosion and ensuing fire. A little girl, who was asleep on cushions under the foredeck, never made it out. They sued the boat manufacturer, the stern drive manufacturer, and even GM, which made the engine. They didn't get a dime.

Backfire flame arrestors serve a very important safety function. All gasoline engines with a carburetor tend to vent fuel vapor after shut-

down. If engines are shut down from high speed, they are hot and will boil off some of the fuel in the float bowl. This vapor goes into the engine compartment and will linger for a while unless taken out by the ventilation blower. The vapor does no harm, as long as there is no source of ignition present. Sources of ignition can be electrical or from a backfire in the engine intake system when it is restarted. Most of us have heard backfire. On a boat, flames spouting out of the carburetor can ignite the fuel vapor in the engine compartment.

The operating principle of the flame arrester is to cool and quench the flame front by forcing it to pass between some closely placed metal elements (the flame arrester) that act as a heat sink. Pressure created by a backfire is released through the flame arrester but none of the flame gets out.

A damaged or a dirty flame arrester is little, if any, better than none at all. Damaged units should be replaced. Dirty units should be cleaned occasionally with oil and grease dissolvers.

Federal law requires that inboard gasoline engines be equipped with an acceptable means of backfire flame control. It is a good safety precaution and one that has saved more than a few lives over the years.

(Source: US Coast Guard Boating Safety Circular)

Spring Picnic Meeting - Improvisation Was Key
Submitted by Bert Menees

Early in the morning of April 30, it looked as though the rain was going to wash out the LHA spring picnic meeting. It is hard to cook outdoors in the rain. Those in attendance were a hardy bunch, however, and with some improvisation, we managed to bring in some propane grills and cook under the cover of the Big Oakes pavilion. Everyone seemed to take the adverse weather in stride, and it was actually a fun meeting with a normal turnout.



Hartwell Project Manager, Virgil Hobbs, explained why Hartwell is above full pool.

The keynote speaker was Georgia state representative Adam Powell. He talked about the importance of organizations like LHA and cautioned that "those who control water, control their destiny." Powell spoke candidly about the growth and political power of Metro Atlanta and said words like "apportionment" and "population shift" are red flags to folks in the rural areas. He has introduced legislation in Georgia to guide policy on SRB inter-basin transfers.

Virgil Hobbs, the U.S. Army Corps of Engineers Hartwell Project Manager, told the crowd that the Corps is attempting to keep the lake level at 661 feet, with good results last year and so far this year. He said a "reservoir simulation model" is looking at numerous scenarios to determine what level will best balance competing priorities on the lakes. Hobbs also announced plans to upgrade the Hartwell shoreline management plan and focus on water safety issues on the lake this summer.

Glenn Brill, Executive Director of the new Anderson County Convention & Visitor's Bureau, reported that the Hartwell Lake region attracts 10 million tourists each year and benefits local economies in lake adjacent counties by \$250 million. His agency has a plan to focus on the leisure traveler and publicize the entire lake region and other attractions as one tourist destination.

Joe Brenner, LHA Legislative Committee Chair, referred to Adam Powell's remarks and called Metro Atlanta's quest for more water as "that sucking noise in the west." Brenner said

Georgia and South Carolina need to establish an interstate compact to prevent a water war like the one that occurred between Georgia, Florida and Alabama. Brenner also reported on his research on boat noise. He said there are currently no laws in Georgia or South Carolina to control boat noise. The LHA board will continue to monitor this problem, however.



Ga. Rep. Adam Powell was keynote speaker

Larry Dyck, LHA Technical Committee Chair, reported on the status of the PCB settlement negotia-

tions and the recommendations that LHA is making to secure a more favorable settlement for lake residents. The efforts of LHA are clearly having a beneficial effect.

Mike Massey, LHA President, who can also be credited with coordinating all the improvisation efforts that were necessary to keep the meeting on track, moderated the meeting. Our thanks to USACE personnel who provided a propane grill and helped with the cooking. Thanks also to Mike Atkins of Hartwell, who waited out the uncertainty and made his public address equipment work well under adverse conditions. LHA board members who helped with the cooking, serving and door prize distribution also deserve our thanks.

The following people won door prizes at the meeting.

GE Toaster Oven Broiler	Dee Robertson	Townville SC
Dirt Devil Carpet Cleaner	Gannett Backus	Roswell, GA
GE Double Burner	Nancy Gardner	Spartanburg, SC
Filing cabinet	J.D. Williams	Hartwell, GA
Crockery Cooker	Helen Basick	Clemson SC
GE 5 Qt Slow Cooker	Dick Martin	Anderson SC
GE Coffee Maker	David Hort	Travelers Rest SC
GE Roaster Oven	Sam Whitaker	Hendersonville
GE Hand/Stand Mixer	Edward Hudson	Seneca, SC
Toaster Oven Broiler	Paul Miller	Fairview, NC



Meet The Directors - The Water "Main"

We have noted in this column several times before that the occupational skills of our directors complement the mission of LHA. This is certainly true of Vernon B. Sauer, one of our directors of long standing.

Vern has been associated with the U.S. Geological Survey as a hydrologist during his entire professional career, which is still a "work in progress." He worked for the USGS part time in college, converted to full time after graduation, retired in 1990 after 35 years of service, continued as a part time employee for another eight years and has been under contract as a consultant at various times during the last seven years. USGS is a scientific, service agency, one of the few federal agencies with no political or policy-making agenda.

Vern grew up in Yoakum, Texas, earned a pre-engineering degree from a junior college and a B.S. in Civil Engineering from the University of Texas. He also earned a Registered Engineer license in Texas. Most of Vern's assignments with USGS have been in Texas, Louisiana, Washington, D.C., Oklahoma and Georgia, but he has been involved in many international projects. His assignments, positions and achievements are too numerous to detail, but a few examples of his expertise are especially noteworthy. He was the Regional Surface Water Specialist for 18 years before retirement, serving all of the Southeastern States, including Puerto Rico and the Virgin Islands. He served as the national chairman of a USGS Surface Water User Group, which designed and developed a National Software System to analyze surface water data by electronic methods. President Carter appointed him in 1977 to serve on an investigative committee to determine the cause of failure of the Kelly Barnes dam in Toccoa, GA. He was appointed by President Bush in 2003 to be chairman of the Sabine River Compact Administration. Recently, he was a major contributor to a World Bank project for rebuilding the Hydro-meteorological Observation Network in Afghanistan, which is a network of several hundred stream, reservoir, and meteorological gauging stations.

Among his many professional awards is an award from the U.S. Weather Bureau, a Meritorious Service Award and the Distinguished Service Award (highest award given) from the Department of Interior, and a Federal Engineer-of-the-Year Award from the National Society of Professional Engineers.

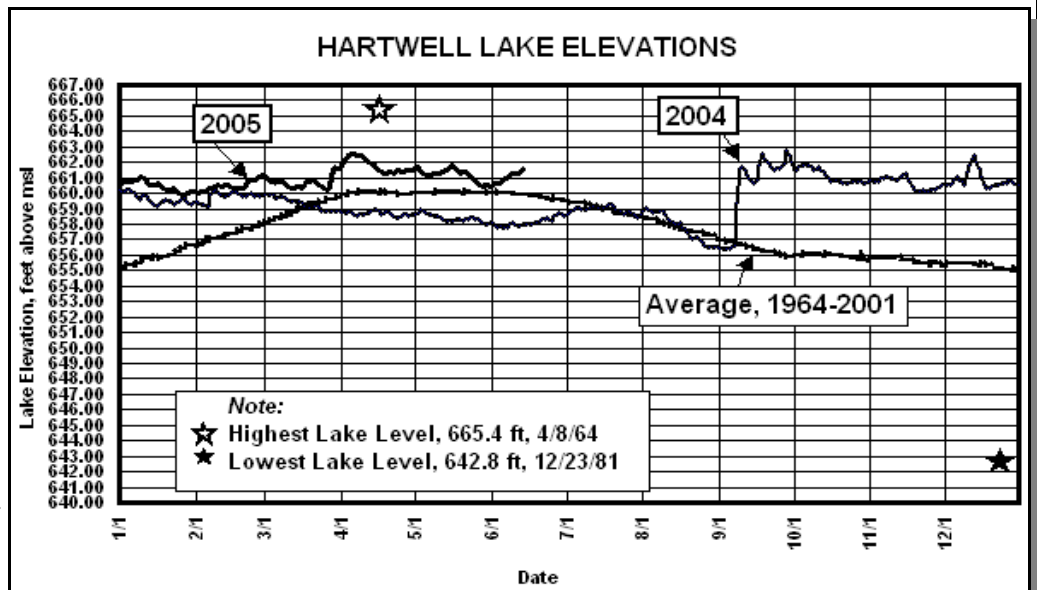
Vern and his wife, Marylou, retired on Hartwell Lake just the way you might expect from a water expert. They visited sev-



eral lakes and picked the lake with the cleanest water. Marylou likes to swim in the lake regularly for exercise and clean water is essential. They built a home in the Lightwood Log Creek area near Hart State Park in 1993.

When Vern and Marylou joined LHA, Vern was immediately invited to serve on the LHA Technical Committee. He was named chairman of the committee in 1994, a position he held almost continuously until he recently decided to remain on the committee but step down as the Chairman. He has been a member of the Board of Directors since 1995. Vern wants to see Georgia and South Carolina form a SRB Compact, similar to the Sabine River Compact between Texas and Louisiana, which he chairs. He believes that a compact is essential and will happen at some point.

Vern and Marylou have three children and ten grandchildren. Vern says full retirement is not an option as long as there is work to be done. At 72, he has an active consulting business with an office in Hartwell, plays golf, has a woodworking shop at home, owns an R.V. and travels extensively. He and his wife are active members of the First Baptist Church of Hartwell. He also recently started a new photography business, specializing in panoramic, and nature scenes. Four of his pictures are hanging in the renovated McDonald's restaurant in Hartwell. By the way, did I mention that he is the LHA Webmaster. He designed and maintains our web site, another of his many talents. The lake level chart in each issue of the newsletter is Vern's creation. LHA is indeed fortunate to have a Director with Vern Sauer's expertise, energy and endurance.



Vern Sauer keeps membership informed of lake elevation fluctuations with quarterly graphs such as this current one. He points out here that the lake level has been above full pool of 660' msl since the 1st of 3 hurricanes visited in the fall of 2004, a 9-month period.

The LHA Membership Roster Is Growing!

The hard work being accomplished by the LHA team is being recognized. The growth of our membership demonstrates that. We wish to recognize our newest members who have joined since the last newsletter was published as well as those people who have sent us generous donations (see next page). Thank you all for your support "for the sake of the lake."

New Single/Student and Family Members

Scott And Virginia Aller, Ross M. Annable, Raymond E. And Bertha Antone, Marilyn K. Ardd, Greg & Paige Ashmore, Charles And Susan Bacon, Charles L. Baker, Chris And Melissa Baker, Ray C. And Patricia H. Ballew, Jim And Linda Bartling, Kandice Kahl Barton, Marvin Behlke, Daniel K. Benjamin, Hubert W. Bennett, Jon Benson, W. H. Bingham, Ron And Laura Black, Gary And Dwayne Blasinger, Fred W. Bolding, Ted And Barbara Bolduc, Bowden Properties, Toni Bowick And Sally Dunn Bowick, Isaac H. Boyette, Clay & Frances Bradburn, David And Pat Bradham, J. Thomas Brannock, Carroll & Sharon Brantley, Grace Brett, Mel And Candy Bridges, Joe And Jeannie Briggs, Jim Bright, Troy & Peggy Brinson, Elizabeth H. Broome, James R. Brown, Vernon Brown, Gary Bruce, Harold F. Bubek, C. George Bucari, Perry And Susan Bulard, John And Ann Burton, Norman Byrd, W.H. Callaway, Frank & Pam Camson-Scribner, Dale And Pamela Carlson, Jacob Carlton, Lucius G And Sara F. Carney, Joel Cash, Ken And Doris Cato, David Caudill, Larry Chamblee, Wm. R. Chapman, James And Susan Chapman, Gail Chesnut, Jean Chism, David And Jill Chudyk, Frederick T. Cirou, Thom Clark, George M. And Sally L. Clarke, Sue Clement, Steve Cochi, Ronnie M. Cochran, Vince And Debbie Collier, Benny And Lisa Cook, Steve And Diane Cox, Tommy Craft, Jim Craig, Richard And Kathleen Craig, Charley Crawford, Scott Crawford, James Crisp, Bob And Doris Crone, Jack Crooks, Bob And Doris Crutchfield, Alan And Jacquelyn Culpepper, Arthur W. And Emma Cummings, Clyde E. Cummings, Dale And Jane Cunningham, Ellis L. Darby, David Dashiell, Phobe Davidson, Jim And Bobbie Davis, Kermit And Carol Dawson, Chris And Sarah Detter, Whit Diggs, Superior Dock Systems, James Dubose, Andrew Duchowski, Wayne & Janice Dunn, Roscoe Dusek, Noel Eckert, Eben R. & Helen P. Edwards, Woody & June Enderson, Steve & Mary Lou Epps, Paul A. Erickson, Mark Eubanks, Lovick And Nancy Evans, Scott And Kim Everhart, David Fagin, Robert A. Fjeld, Mr And Mrs. W.A. Flowers, David And Wyn Foland, Emily Fowler, Forrest Freeman Jr., Tl Fritz, James A. Fuchs, Todd Fusco, Wesley And Pam Garland, R. D. Garrett, Jim Nd Sherry Iii Gentry, Mr. & Mrs. Francis Giblin, Ronarld And Barbara Gordon, B. D. , Mr And Mrs. Gorham, Ken Grabowski, Trey South, Margarit Gray, Ronnie And Joyce Gray, Robert And Donna Greenwood, A. Roger Guimond, David And Alice Hageman, Charles Hall, John And Sharon Hall, David Hamby, Ann S. Hamilton, Jim Hand, Joyce And Gary Harper, Johnny And Vivian Hart, Jeff And Kathryn Harvey, George B. Hatfield Jr., Jeff And Penny Hays, Todd Heller, Douglas J. & Deborah B. Henderson, David Herndon, George Hibler, Tony Hilton, Donald L. Hix, Jeff & Cindy Hoblitzell, Barry And Sally Hodges, Jim Hopple, Bo And Tina Howard, Flynn E. Hudson Iii, Hollis Hughes, Michael And Shari Hughes, Jason Abnd Christi Hunt, Derek E. Hutchinson, J. Ray Jackson, Pam A. James, Keith Jansen, Carter And Priscilla Jarrard, Mr. & Mrs. Joe L. Jennings, Alan W. & Frances M. Johnson, Della B. Johnson, William L. Johnson, N. Meredith Jones, Sandra And Robert Jones, Morris And Clara Jordan, Darrel And Renee Joseph, Brad And Rosalind Kay, Jimmy And Kathy Keesee, Tony Keith, Steve Kiemele, David C King, Paul And Vaneta Kirsch, Jimmy Klein, Bill & Joyce Kurps, David Kurtz, Martha And Nick Lake, Rob Lamy And James Hipkens, Genevieve H. Lancaster, Robert C & Elaine P. Lane, Bill H. Lecroy, Robert Leiser, Wendy And Mike Lembcke, Rob Lipse, Carl Walter Lindquist, Dale E. Linvill, Larry Loggins, Terry Long, Bobby And Nancy Lord, Mr. & Mrs. Hugh Macaulay, Todd Macrae, Mark T. Magee, Mr. And Mrs Malgeri, Mary And Razi Manadi, Laura E. Martin, William And Christine Martin, Thomas F. McAfee, Iii, William H. Mcdaniel, Pat Mcgrath, Ralph And Renee Mckeen, Dr. Marshall Meadors, Dr. And Mrs. Michael G. Medcalf, Mr / Mrs Herb Miller, Jeffrey & Catherine Miller, Jack C. Moore, Jerry L. Moore, Sue And Ferrell Morgan, Esther Mullinax, Robert Necessary, Richard Neel And Marcia Headrisck Neel, Buddy & Jan Nicholson, Ralf And Anita Nicolai, Matt And Judi Nowocin, John And Carol Orr , Daniel & Susan Otto, Ricky Patel, Pat And Jim Patterson, John C. Pearson, Richard J. Pendino, Mrs Barbara K. Peterson, Raymond Pharp, Brian And Margaret Philbin, Rick & Jeanie Phillips, Spooner And Denise Phillips, Christopher Platt, Frank And Kara Pochiro, John R. Poole, Julian A. Porter, Betty And Charlie Powell, Don And Terre Pratt, Danny J. And Darlene D. Price, Pat & Sandra Radican, Larry G. Ray, Paul Reckert, Carol And Carol Rex, Tom & Pam Roose, Richard L. Rowell, Ken Rowland, Bill And Laurie Rsimondi, Ron And Carrie Rulis, L. Michael Scheivert, Andrew Schival, Larry & Marguerite Schmidt, John And Mary Ann Semley, Mr. Silzle, J. Alden Simpson Jr., Michael And Angela Sims, Tenna Sines, Tommy & Barbara Smith, Doug And Cindy Smith, Ken And Debbie Smith, Ronald M. Smith, J. Robert & Sara R. Snypp, Mike Sonders, Gerald L. Spearman, Gerry And Cynthia Spejewski, David Starr, Sharon & Adrian Steinmann, Bobby Stevens Jr., Betty Marie Stewart, John And Barbara Stitt, Lee And Jo Sumner, Donald L. Swaim, C. Lane And Patricia Teet, Willard Joe Thomas, David & Jeanne Thomsen, Dave Todd, Karen Torghelle And Larry Anderson Torghelle, Sheila Tucker, Rebecca Sorrow & Ken Turk, Richard & Sandra Underwood, Francis, Mr And Mrs Uteg, John & Doris Verhunce, Earl H. Wagener, Gary And Kay Walker, Cary And Mary Warren, Tom Webster, Chuck Werner, Roy R. And Sally Whiddon, Marc White, Jerry And Martha Whitmire, Pamela A. Whitmore, David Whitten, Gerald And Iris Wilbanks, Kerry And Genelle Wilkes, James Williams, M. Todd Williams, Charles Wilson, Claire D. Winkler, Dink Wood, Garland Woodward, Dennis And Gayle Worden, Jim Young.

LHA Wishes to Extend a Special “Thank You” to Organizations and Donors Who Financially Support Our Endeavors “*For the Sake of the Lake.*”

Community Groups, Associations and Business Members

These supporters of LHA are area community groups, businesses or lake associations. We thank them for their generous support and we ask our members to support them whenever possible.

Dr. Andrew And Catherine Adams; John C. Pearson; Superior Dock Systems; Pediatric Dentistry - Angela & Charles McNutt; View Point Lot Owners Assoc.; Foxwood Hills POA - Bill Lewis, Mgr.; James Yarbrough; Jack & Cindy Plating; Swaney's Point Association C/O Tom Williams; Hartwell Lake Properties; Mr. & Mrs. William Hummers III; Arlene Mcginley; The Hartwell Sun; Paul & Susan Meng; Mitch & Dianne Slayton; US Army Corps Of Engineers; James & Marilyn Aldridge.

Donations to LHA

Some members and friends of LHA choose to donate additional funds to help LHA “for the sake of the lake.” Our gracious thank you to each of them.

Greg & Paige Ashmore, Barney & Mary Atkinson, Stephen Beverly, Luther Boliek, K. B. Brigman, Troy & Peggy Brinson, Charles & Dot Cleveland, Steve & Diane Cox, Dr. Larry & Cecile Dyck, Mack & Mary Lynn Eberhart, Katherine M. Hanley, Lewis Harper, Derek E. Hutchinson, Tony Keith, Steve Kiemele, Rob Lamy & James Hipkens, Dr. Marshall Meadors, Sherrill Terry & Wade Medlock, Rufus Moss, Ricky Patel, Brian & Margaret Philbin, Jack & Cindy Plating, L. Michael Scheivert, Rich Standt, Lee And Jo Sumner, Colonel Frances Vandiver, and Marc White.

The Corps Announces the Flotation Citation Partnership with Chick-fil-A



If you see a USACE Park Ranger pulling over a boat like this one, it could be for a very good reason. Rangers are now issuing “Flotation Citations” thanks to a new safety partnership with Chick-fil-A. All occupants in this boat are wearing their PFDs (Personal Flotation Devices) and would be eligible to receive a Chick-Fil-A coupon. This partnership will allow the Corps to express their thanks to those who practice safe boating. Read below the letter of appreciation written to Mr. Jon Holmes, Operation Manager for Chick-fil-A in Anderson, SC.

Mr. Holmes:

We would like to express our sincere appreciation for your generosity and willingness to partner with us in promoting water safety on Hartwell Lake. Hartwell Lake is one of the southeast's largest and most popular public recreation lakes. Last year, over 10 million people utilized the many public parks, marinas, and campgrounds conveniently located around Hartwell Lake to pursue a variety of outdoor recreational experiences, making Hartwell one of the most visited Corps lakes in the nation.

Your sponsorship of the Chick-fil-A “Flotation Citation”

program of 4,000 coupons will allow Corps Park Rangers to reward lake users for wearing their life jackets while out enjoying Hartwell Lake. This type of positive reinforcement will encourage safe behavior (wearing a life jacket), expand your community out-reach efforts which Chick-fil-A is well-known for, and most importantly, save lives. Thank you again for your generous commitment to help us spread the word that “Life Jackets Save Lives.”

Sincerely,

*Virgil G. Hobbs III
Hartwell Project Operations Manager*

Essay Contest Winner Claims Her Prize

Jessica Greeson from Loganville, Ga. received fishing equipment, a shore lunch and a fishing trip for her and her family. She was instructed on the topics of safe navigation, reading depth finders and GPS plotters and striper fishing techniques. Her winning entry to the recent LHA essay contest can be read by visiting our website, www.lakehartwellassociation.org. The guide for the trip was a member of the LHA board of directors.



It would be hard to say who had the most fun. It may have been Jessica with her new fishing equipment or her brother, Travis, roasting the hotdogs. It may have been her dad, Pervie Greeson, who was waiting to be served lunch. It may have even been all of us as we waited for the fish to bite. One thing is certain. This editor had great fun spending the day with 3 friends who share his passion for our lake and its resources.

Dear Mr. Gardner,

I would just like to thank you again for everything. It was an incredible experience for my dad, brother and me. I learned a lot of helpful hints about fishing and boating techniques. I will take what you taught me and apply that when I am out on the waters. Please thank the whole Lake Hartwell Association for everything and for having such a fun contest. I truly meant what I said in my essay, so hopefully others will see nature from my prospective. Thank you for the memories.

Jessica Greeson



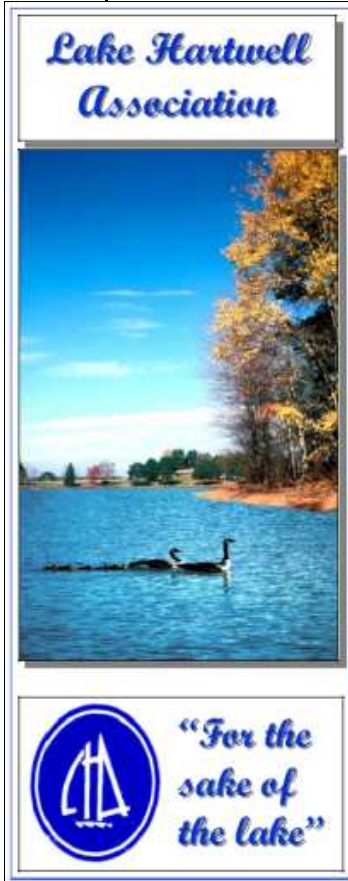
The LHA Brochures Are Here!

Would you like a few of the beautiful, new LHA full-color, trifold brochures? They can be used

- to give to your customers (Great for Realtors, Chambers of Commerce, Tourism Groups, Lake Related Businesses),
- to share with your neighborhood lake association about our mission and activities,
- to share with your individual friends and neighbors as a way to inform them about LHA and perhaps get them to join.
- to leave a copy for the new owner in the event that you are selling your home. You will be surprised at how appreciative they will be to know there is an association they can call for lake information.

The brochures provide information about Lake Hartwell, the Lake Hartwell Association, have a number of beautiful photos, and an LHA membership application.

Send us an email at mail@lakehartwellassociation.org or call our toll free number. Tell us how many you would like, your name and address and organization (if applicable) and we will get them in the mail to you.



<i>Upcoming Events for LHA Related Activities</i>	<i>Date</i>
LHA Board Meeting, 7:00 PM, Anderson Public Library	7/11/05
LHA Board Meeting, 7:00PM LHA Office, 184 W. Franklin St., Room 108, Hartwell, GA	9/12/05
Hartwell Lake Clean-up Campaign	8/18 to 9/24/05
Clean-up Campaign Appreciation Picnic	9/24/05
LHA Fall Public Information Meeting	11/10/05
LHA Board Meeting, 7:00 PM, Anderson Public Library	11/14/05

Share Your Photos

If you have digital photos that you would like to share with other LHA members submit them to the email address below.

LHANewsletter@yahoo.com



Mitch Williams' dog, Max, is warmly dressed for his job of supervising gulls working baitfish near Andersonville Island last December.



Dave Smith lives and skies in Camp Creek Cove on Lake Hartwell. Here he was training for the 2001 American Kneeboard Association National Championship, which he won. He finished 2nd in 2000 and 2002. Go Dave!!



Pam and Ron Stercay sent in this great shot of Justin Stercay and Brandon Wiggins using the Hotdog as a boat to cross their cove in Chickasaw Point.

LAKE HARTWELL ASSOCIATION MEMBERSHIP APPLICATION
P.O. Box 312; Fairplay, SC 29643

Summer
2005

Membership Information: Check all that apply

New Renewal Address change Amount Paid _____ Date _____

Student/Single (1 vote) \$15 Family (2 votes) \$25
 Community, Association or Business (3 votes) \$100
 Additional Donation _____

Name _____

Spouse's Name _____
(Family Membership Application Only)

Mailing Address _____

City _____ State _____ ZIP _____

Phone (H) _____ (W) _____

E-Mail _____

Occupation(s): Yours _____ Spouse's _____
(If retired, check here and give former occupations above)

Lake Address & County _____

Give something back to the lake.
Select a committee on which you
would be willing to serve.

- Legislative
- Program
- Financial
- Lake Cleanup
- Safety
- Technical
- Membership
- Publications

Pay by Check: Make checks payable to **Lake Hartwell Association, Inc.** Send to address above.

⇒⇒⇒ Your membership fees and donations are fully tax deductible. ⇐⇐⇐

LAKE HARTWELL ASSOCIATION, Inc.
P. O. Box 312
Fair Play, SC 29643

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U.S. Postage
PAID
Greenville, SC
Permit # 1371



Email address: membership@lakehartwellassociation.org
Web Site: <http://www.lakehartwellassociation.org>